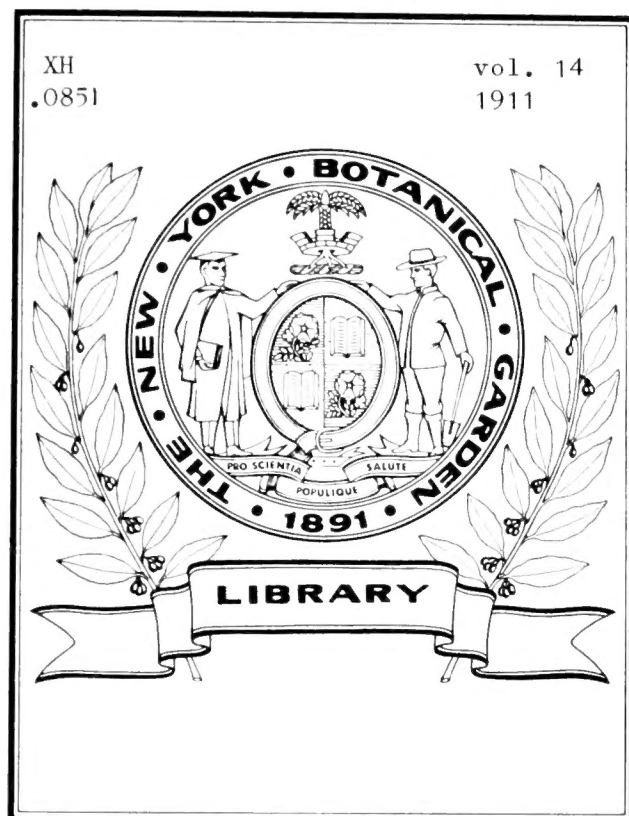


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HORTICULTURE

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CYCLAMEN

If you have not your cyclamens in frames you should lose no time in placing them there, as there can be no better place for these plants until the end of September. You can fix your sashes on a temporary framework about six inches above their right elevation. Avoid placing any heavy shade over the plants for it only causes them to make a soft and spindly growth. It is better to provide lath shading which can be placed over the sashes and allows an indirect solar influence which will keep them in good stocky state. Spray about once a week with some form of nicotine extract to keep down thrips which I think is better than fumigating. Give a light overhead spraying two or three times a day during these hot days. If possible have the soil sterilized for the last shifts for it will help to keep down attacks of the mite. Be careful that they do not become pot-bound. Also give very careful watering and occasional spreading out as the plants begin to crowd one another.

CARE OF ORCHIDS

Such species of cattleyas as *labiata*, *Trianae*, *Schroederæ* and many others will now be in active growth and should have a generous supply of water at the roots. Give them a light syringing overhead once or twice a day. While the warm nights continue leave a few inches of air on the top ventilators to prevent too much moisture in the atmosphere for the majority of cattleyas do not like too much humidity. As new growth begins to mature the quantity of water should be decreased gradually until only enough is given to keep the plants from shriveling. Syringing will in most cases almost accomplish this. Give *Cælogyne cristata* a cool moist and lightly-shaded position. This is an air-loving subject so admit plenty of fresh air at all times now. They will need plenty of water at the roots during their growth. It will be found very beneficial to apply manure water in a weak form at first once a week so as to have good well-matured bulbs, which will mean a good lot of flowers next winter. In sunny weather syringe at least once a day for insect pests. Look over the plants often for scale. Never forget that cleanliness is one of the great points in the growing of orchids.

FERNS FOR DISHES

Where you have a lot of young ferns of good size in flats you should pot them up into 2-inch pots, using any good ordinary potting soil to which leaf mold and sand has been added to make it porous. Place them where a couple of inches of sand or coal ashes can be spread on a bench, so that they will not be continually drying out. Plunge the pots up to the rims and shade the house, but not too heavily as ferns require as much light as can be given to them, exclusive of the scorching sun's rays. Maintaining a free circulation of air, keeping the atmosphere as cool and as moist as possible as they like the air heavily charged with moisture. Examine the plants morning and afternoon, for if allowed to

suffer from drought at the roots great injury will be inflicted on your young stock. By giving them a little care during the summer months you will have stock far enough advanced by October and up to the last of December to meet the demand after the first real good killing frost which makes flowers scarce outside. A great variety of ferns can be used for small ferneries. A few good ones are *Aspidium tsussimense*, *Davallia stricta*, *Nephrodium hirtipes*, *Microlepia hispida*, *Onychium japonicum*, *Pteris cretica* Mayii, *P. cretica albo-lineata*, *P. Ouvardi*, *P. serrulata cristata*, *Cyrtomium falcatum*.

GERANIUMS FOR WINTER FLOWERING

Give these plants shifts until you have them in their flowering sizes, either 5 or 6-inch pots. Pinch the tops out so they will grow into compact shape. A good compost is three parts of good loam and one part of well-decayed manure. Grow them along in a light house, picking off all the flower trusses during the summer. Ventilation is one of the most important points in growing geraniums successfully and all the air possible should be allowed until the cool weather arrives when they should have a night temperature of about 55 degrees to make them flower freely.

MIGNONETTE

If this crop is wanted for early winter the seed should be sown now where it is expected to bloom. The beds should be from 8 to 10 inches deep. Mignonette likes a rich compost—say one load of cow manure to three of sod that was taken from a pasture lot last fall and heaped up. After the benches have been filled and the top surface made fine, draw crosswise and also lengthwise of the beds straight lines twelve inches apart each way, then sow the seeds where the lines cross, placing four or six seeds at each junction. After the seed is sown and covered water with a fine rose to settle the soil around the seeds. When the plants are up and showing their second pair of leaves, thin to the strongest plant. It is very important to keep them tied up and there are several ways of doing this. All the air should be left on the house until you think there is danger of frost. When the cool weather comes run your temperature anywhere from 45 to 48 degrees at night. Keep a watch out for the cabbage worm and when first seen dust with Slug Shot, for if not kept in check they will soon eat up your plants.

NEPHROLEPIS

These ferns should not be too heavily shaded; give only just enough to break the direct rays of the sun when it is powerful for it is of great importance that they have light in the fullest measure if you want stock of good substance. Plants will now advance very rapidly, and in all weathers these ferns must have every encouragement to promote a good stocky growth, by giving liberal supplies of water at the roots, and by keeping moisture in the air by damping down the paths and under the benches frequently. Give proper ventilation to secure a nice gentle circulation of fresh air through your house. Where these ferns were planted in the spring for stock they should now be making an abundance of nice runners that can be potted up and grown on.

John J. M. Farrell

Mr. Farrell's next notes will be on the following: *Asparagus Sprengeri*; *Annuals for Late Cutting*; *Compost for Bulbs*; *Care of Young Roses*; *Freelias*; *Lilies for Fall*.

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How often, with this issue, enters your mind the thought, "Once a subscriber always a subscriber" is the almost invariable motto of the readers of this paper. Of course, there are occasional exceptions but these are so comparatively few that they need not be considered. This most gratifying condition we attribute to the ex-

cellence and permanent value of the reading matter we have been enabled to supply. So it is not the regular patrons of the paper that we here address but those who may chance to read these lines but are not yet subscribers. We would respectfully ask all such to glance over the index to the last volume of HORTICULTURE which appears herewith as a supplement and note what a vast amount of good and instructive material is there listed. And further consider that this covers only a period of six months for which subscribers pay just fifty cents! Can you get a better equivalent for the money? Consider further the contents of the advertising department—that great and unimpeachable barometer of the horticultural industries of the country and we believe that after a little reflection you will conclude to send your dollar for a year's subscription to HORTICULTURE. You will find yourself in the best sort of company and the man who has "no time to read the papers" will soon appear to you, as he does to us, as a hopeless "back number." Just one word to those who are subscribers—if each one should send in one new subscriber the circulation of HORTICULTURE would exceed that of any publication in its line in this country.

Some of the large dealers in forcing bulbs and similar material notice a lack of enthusiasm of late among the trade buyers and this they interpret as an indication that the high pressure methods of recent years, intensified by the increase of competition, have forced the smaller growers into an uncomfortable position, occasioning much disquietude as to the outlook. Unquestionably the small grower is bound to suffer in a disproportionate degree from the reduced wholesale values and more exacting market for his product which is the inevitable result of the advent of extensive operators and large capital into the business which he has heretofore been able to control to his own advantage. Overproduction, with unexpected fluctuations and congestion at certain times, is sure to derange and unbalance whatever semblance of system and stability has existed before and conditions more or less chaotic are bound to ensue. No one will question the assertion that the time has come for closer figuring in all lines of commercial floriculture and that the admonition to all to "watch out" is timely.

A correspondent has sent in for our perusal a clipping from a Baltimore paper wherein it is stated that certain Holland firms have sent in bids in competition with American dealers, for supplying about a quarter million of bulbs for the parks. Our friend submits that such competition hurts the florists and seedsmen of America and is "an imposition on American trade that should not be tolerated." The principle involved is one that has been a subject of debate as long as we can remember. It might be suggested as a remedy against foreign bidding on public orders that the laws should specify that the buying be done at home, but this restriction would be easily overcome and its purpose defeated by transacting the business through Custom House brokers or direct agents for the foreign houses. If any of our readers have views on this subject which they would like to publicly express we shall be glad to give space in our reading columns to such. Just where to draw the line as to who is properly entitled to wholesale rates and what protection should be given by the producer to the intermediary dealer is a question of vital importance to all departments of the trade.

A HIVE OF INDUSTRY.

There are a few horticultural establishments where there seems to be no dull season and "slack times" is something unknown. The A. N. Pierson place at Cromwell, Conn., is one of them, as anybody who has taken a look over that vast hive of industry will agree.

Stopping off at Cromwell for a little while one afternoon recently we found the indefatigable Wallace R. and his army of employees hustling "like all possessed" as usual. It takes a big output of stock and big income of money to keep such an establishment going and neither of these requisites is lacking. New equipment and construction are constantly going on. The latest notable addition is two 100 H. P. boilers and a 70 x 382 ft. King house. This house has been planted with 12,300 Dark Pink Killarney roses, which shows what Mr. Pierson thinks of that promising newcomer. Among the other recently introduced roses held in high favor, Prince de Bulgarie stands well, and it requires but a look at its splendid style and vigor in the benches or at a jar of the cut blooms with their crisp, dainty pink buds and rich dark foliage to convince one that in this rose we have a stayer with a big future.

In yellows, Mrs. Aaron Ward is a veritable queen, and young stock has had a remarkable sale, but Lady Hillingdon stands out as an even greater acquisition. Another debutante is Budlong's Double White Killarney, which forms a big full bud and is pronounced by Mr. Pierson to be "the greatest rose ever introduced into this country" and bound to take the place so long monopolized by Kaiserin as a white rose for summer cutting. Red Killarney, fully described in former note, will be given dissemination during the coming year. The demand for young stock this season has been unprecedented, the call for grafted



Rose Prince de Bulgarie

being about two to one as compared with own-root stock. The output thus far has been close to a million and a quarter here.

Chrysanthemum rooted cuttings are also experiencing a very active season. Three hundred thousand are in the cutting beds now, with orders on file for the greater part of them as soon as they are sufficiently rooted

DAHLIA WOLFGANG VON GOETHE.



The picture herewith shown is of this splendid Cactus dahlia as grown last season at Mt. Desert Nurseries, Bar Harbor, Me. The photograph was taken August 20. Wolfgang von

Goethe is one of the newer German varieties. It is a splendid grower and free bloomer. The flowers are apricot with carmine shadings and are very desirable as cut flowers.

to send out. The output so far this year is about half a million. Among the most sensational varieties is Chadwick Supreme, a beautiful dark pink sport which originated here and of which 16,000 are to be planted; Donner's triplets, Patty, pink, Merry Jane, yellow, and Dolly Dimple, light yellow, are highly prized by Mr. Pierson.

Syracuse, N. Y.—This city is experiencing the worst scourge of caterpillars and borers known for many years. In years past people were permitted to plant as many shade trees as they chose, and the result is that in many streets they have grown together, and it is only rarely one can find a really perfect tree. The consequence of close planting affords the caterpillars an undisputed field to work over. If they keep up their work of devastating the trees as they have the past two weeks there will be very little foliage left in a week. Quite a number of the people are placing sticky fly paper around the trunk of the trees in the hope of preventing the pests from crawling up, but with poor success. Why is it that some will pay fifty or one hundred dollars to have a little job done to their automobile, yet begrudge paying an experienced man a fair wage to do garden work?

June 27, 1911.

HORTICULTURE: Our advertisement of Peonies this last month paid us very well, and we are pleased with results.

T. C. THURLOW'S SONS, Inc.,
West Newbury, Mass.

H. T. ROSE KRONPRINZESSIN CECILIE.

One more in the series of illustrations of sterling new roses appears this week on our cover page. For this, as for the preceding pictures, we are indebted to H. A. Dreer, River-ton, N. J. This rose is Queen of the garden at this season of the year and festivals and exhibitions in her honor have been held all over the northern hemisphere during the past few weeks. In the H. T. section are centered the hopes of rose lovers in latitudes too severe for the Teas and each year sees the advent of something loudly proclaimed. The variety Kronprinzessin Cecilie was introduced by Schmidt in 1908 and has done well in the trial grounds at various places. The color is silvery pink and it is a very free bloomer. Its form and vigor are well shown in the picture.

A GENEROUS BEQUEST.

The will of the late Dr. C. G. Weld, a well-known patron of horticulture, and frequent exhibitor at the shows of the Massachusetts Horticultural Society has been filed, and among the bequests are his fine estates in Brookline and Boston, which go to Brookline and Boston respectively, for park purposes.

Boston, Mass.—P. J. Donohue, formerly Boston manager of the Waban Rose Co.'s salesrooms, has been appointed manager of the Boston Rose Co., taking the place of Martin Lally, who is now with Newman, the florist, on Tremont street.

CLUBS AND SOCIETIES

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

To Members:

Secretary Dorner is sending to each member of the Society a message calling for just a little effort on the part of each individual member, and it is earnestly hoped that every member will respond promptly. It is requested that each member send in one new name for membership in the Society. There is not one member that cannot easily do so, and this action, by increasing the membership, would mean a great deal for the welfare of the Society and the trade in general. As the secretary points out in his message, the florists are greatly indebted to the Society for its excellent work in the past, and a large membership roll will most certainly give it strength when there are wrongs, local or national, to be righted in the future.

The Society needs the support of all the trade, and each member should see that every commercial establishment in his locality is represented in this national organization. Open the campaign now by securing one new member. Take advantage of the local club meetings and summer outings to talk it up with those in attendance, pointing out that each name added to the list increases the usefulness of the Society and makes it stronger when it has a case to present before the courts, the legislatures, the express companies, the interstate commerce commission, the railroads, or any other body which has power to extend or withhold privileges.

In other lines of business grievances are quickly removed by close organization of the interests affected, and our difficulties in making new laws and amending old ones would be greatly reduced if we could present a more united front and batter down the opposition. Farmers and others get what they want in this way, and there is no reason why we should not get prompt consideration, if each member of the organization does his duty now. The work is light; secure one new name now, and this strengthened membership will just double the power of the organization in acquiring rights and privileges too long denied us.

I say again, we need added force, the strength of numbers. Business conditions grow more strenuous every year, and we need the assistance of everyone in every effort for the general good. The Society exists for the good of all, and every man in the trade should help.

GEORGE ASMUS, President.

Department of Plant Registration.

Public notice is hereby given that Hoerber Bros., of Chicago, Illinois, offer for registration the rose described below. Any person objecting to the registration or to the use of the proposed name, is requested to communicate with the Secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

Description. — Parentage unknown. Appears to be a cross of Killarney and Golden Gate. Has the habits of Kill-

arney, and flowers the shape of Golden Gate, but much larger. Growth very strong and free; height 4 1/2 to 5 feet; color bright pink, a shade darker than Killarney; an easy grower and free from disease; foliage strong and clean; a fine forcing rose, at its best from October to May. Name, "Wilhelmina."

H. B. DORNER, Secretary.

June 22, 1911.

FLORISTS' CLUB OF WASHINGTON.

Arrangements for the annual outing and basket picnic of the Florists' Club of Washington are now practically completed. The outing will be held at Huntville, Md., where exclusive use of the grounds has been arranged for on July 12. The Baltimore & Annapolis Electric Railroad has provided three special trains for the accommodation of the club members and their families. Most of the florists will close their places of business at noon on July 12, so that everyone may enjoy the outing. Members of the national society will be present, including Philip Breitmeyer, former mayor of Detroit. Plans have been made for the holding of all sorts of sports and games. There will be a ball game between the greenhouse men and the retailers. A tug of war is also scheduled. W. R. Smith, of the Botanic Garden, will give a talk on trees, illustrating his subject with specimens growing on the picnic grounds. The sale of tickets is in the hands of a committee composed of John Robertson, Jr., W. W. Kimmill, Otto Bauer, Edward Schmid, and W. A. Bolinger. The regular monthly meeting of the Florists' Club will be held July 6 at 1214 F street. At this meeting final action will be taken on all matters pertaining to the outing. The subject of attending the annual meeting of the S. A. F. & O. H. at Baltimore in August will also be discussed. On this occasion the place of meeting, Gude's floral store, will be converted into a grotto and rathskellar and the club will be treated to a crab feast by Edward Schmid.

DETROIT FLORIST CLUB.

This club had the rare opportunity at its last meeting to listen to H. B. Dorner of Urbana, Ill., who, in his scholarly way, explained the minutest detail of the work being done by the experiment station in Urbana for the benefit of the florist. Prof. Dorner described the slow but successful efforts to obtain money from the Illinois legislature to establish this experiment station. As Prof. Dorner promised to write his talk down for the benefit of the trade at large it would be superfluous to say much about it now. Still so much may be said that success was due in a great part to the activity of the Illinois florists.

It was a discussion of vital importance and it is most desirable that such florists in whose state the legislature meets next fall should at once take steps to bring before their legislature the necessity for establishing experiment stations and schools such as the Illinois florists and the farmers throughout the country enjoy.

NATIONAL SWEET PEA SOCIETY OF AMERICA.

Today, June 29, as we go to press, the Sweet Pea Society is busy with its annual meeting and exhibition at Philadelphia. Full details will be given in our next week's issue. President W. Altee Burpee, governed by the original proposition to hold the meeting on the 23d, had engaged passage on the Olympic, sailing for Europe on Wednesday, 28th, and consequently is unable to be present on this occasion. In lieu of the usual address, therefore, he left in charge of Secretary Bunyard a letter, of which the following is a copy:

Harry A. Bunyard, Esq., Secretary.

Dear Mr. Bunyard:—Will you kindly express to our fellow members of the National Sweet Pea Society of America my sincere regrets that instead of being present to deliver "The President's Address," for which I am scheduled on June 29th, I am compelled to offer "an apology and explanation."

The "apology" will surely be accepted when you offer the explanation that it was only after our March meeting in Boston, when the date of the Philadelphia Exhibition was fixed for June 23rd and 24th, that I engaged passage for myself, Mrs. Burpee and sons on the "Olympic" June 28th, so that we could attend the exhibition of the National Sweet Pea Society of England, which we were compelled to miss last year.

Kindly explain also how deeply I regretted the necessity for deciding with you and other fellow members, after conference two weeks ago with members of The Pennsylvania Horticultural Society, that, owing to the lateness of the season, it would be necessary to postpone our exhibition at least a week.

While "on the briny deep" I shall be with you all in spirit and shall look forward eagerly to receiving July 4th, upon arrival at Southampton, a cablegram telling of the success of this third annual exhibition. I feel quite sure that under your able management—and you are well entitled to be called "The Father of the National Sweet Pea Society"—assisted by our vice-president and other officers, together with such willing helpers as Messrs. Craig, Penlock, Rust, Watson, Michell, Earl and Kerr, the exhibition will be a decided success.

Such work as you and your co-laborers have done so effectively at the two previous exhibitions of our infant society is of lasting value in bringing to the notice of the trade, and of growers generally, the importance of the sweet pea as deservedly the most popular of all flowers grown from seed.

But should I continue in this strain I might tire you with expressions of my love for the sweet pea, even more than if I could have been able to deliver in person "President Burpee's Address," for which your schedule has me booked.

Only two words more in closing. At our meetings we have never discussed politics. Your present president, therefore, does not know the political opinions of his fellow members. Whatever their politics may be, however, I think that most of our members will agree that the ex-President of the United States acted wisely in urging as his successor President Taft, who certainly, despite all criticisms, will make good as an honest, intelligent executive.

Now would it be asking too much for me to suggest that upon reading this letter (if you think it worth reading) that some member put in nomination the name of William Sim of Cliftondale, Massachusetts, and that another member should then move that the nominations for president be closed. Mr. Sim needs no introduction; as vice-president he has been most earnest and effective in his work for the advancement of the interests of our Society, and I feel sure that this suggestion of your retiring president will meet with the hearty approval of all.

Any members who may remain over Friday are cordially invited to visit Fordhook upon the trains leaving Reading Terminal at 102 and 202 Friday. Will you kindly announce that railway tickets and full information will be gladly furnished by Mr. Earl or Mr. Kerr.

With renewed assurances of my deep re-

gret in not being with you all at Phil. & Philip and Fordhook, I remain,

Yours for Continued Progress in
SWEET PEAS.

Just as our forms are closed a telegram from Secretary Bunyard states that the exhibition and opening session Thursday afternoon are a great success. In the absence of President Burpee, Vice-President Wm. Sim occupied the chair. An address of welcome was made by Robert Craig and J. K. M. L. Farquhar responded. The Morse Cup was won by Burpee with a magnificent exhibit.

MASSACHUSETTS HORTICULTURAL SOCIETY.

The annual rose and strawberry exhibition came off last Saturday and Sunday at Horticultural Hall, Boston. There were excellent displays in both sections. Roses showed the freshening effect of recent rains and the strawberries and other seasonable fruits were never better in quality. The show was free, and attracted an attendance of about 2,000 visitors. Among the special attractions was an extensive general display of shrub bloom, peonies, etc., from R. & J. Farquhar & Co. The awards for flowers are as follows:

Hardy roses: 1st, Miss S. B. Fay; John C. Chaffin Fund (for amateurs only); Three blooms of any white perpetual rose; 1st, Robert Seaver, Frau Karl Druschki. Three blooms any pink hybrid perpetual rose: 1st, Robert Seaver, Mrs. John Laing; 2d, the same for Mrs. R. G. Sharrman Crawford. Three blooms any red hybrid perpetual rose: 1st, Robert Seaver, Ulrich Brunner; 2d, the same, for Genl. Jacqueminot. Three blooms of any new hybrid perpetual rose not offered in any American catalogue previous to 1900: 1st, Robert Seaver, Frau Karl Druschki. Hybrid perpetual roses, twelve named varieties, three of each: 1st, Miss S. B. Fay. Six named varieties, three of each: 1st, Miss S. B. Fay; 2d, W. J. Clemson. Six named varieties, one of each: 1st, Miss S. B. Fay. Best collection of hybrid tea roses, not less than twelve varieties: Miss S. B. Fay. Best three blooms of a variety introduced since 1905: Robert Seaver, J. B. Clark. Six blooms of Frau Karl Druschki: 1st, Miss S. B. Fay; 2d, W. J. Clemson. Six blooms of Mrs. R. G. Sharrman Crawford: 1st, Miss S. B. Fay; 2d, W. J. Clemson. Six blooms of Margaret Dickson: Miss S. B. Fay. Six blooms of Ben Cant: 1st, Miss S. B. Fay; 2d, J. T. Butterworth. General display: 1st, Miss S. B. Fay. Sweet Williams—display: 1st, Wm. Whitman; 2d, George Page; 3d, Wm. Whitman. Herbaceous Peonies: T. C. Thurlow & Sons Co. Collection of twelve named varieties, double: 1st, T. C. Thurlow's Sons Co. Specimen bloom, double: 1st, Wm. Whitman; 2d, T. C. Thurlow's Sons Co. Collection of six named double varieties, white: 1st, T. C. Thurlow's Sons Co. Vase of twenty-five blooms, double, pink or rose: 1st, T. C. Thurlow's Sons Co. Vase of twenty-five blooms, double, red or crimson: 1st, T. C. Thurlow's Sons Co. Campanula Medium collection: 1st, Wm. Whitman; 2d, George Page; 3d, Wm. Whitman.

Honorable mention was given to J. T. Butterworth for three hybrid orchids; R. & J. Farquhar & Co., for hybrid Digitalis; also for collection of peonies; E. J. Shaylor, collection of peonies; also for peony Tourneselle.

In strawberries the varieties most prominent in the prize winning were Black Beauty, Marshall, Downing Bride, Heritage, Abington, Barrymore, Minute Man, Parson's Beauty.

HORTICULTURAL SOCIETY OF CHICAGO.

The executive committee of the Horticultural Society of Chicago has voted not to hold the usual fall flower show in the Coliseum building this year, but to hold a big exhibition next March in its stead. A dahlia and

aster show will be held at the Art Institute in September, the exact date to be determined by the seasonable conditions. A premium schedule for this exhibition is now being printed and will be issued shortly.

A premium schedule for the spring show next March is being prepared by a special committee. It will offer prizes as large as usually given in the fall show at Chicago. It is hoped in the spring exhibition to obtain a more varied display, and to arouse renewed public interest in the flower show.

J. H. BURDETT,
Secretary.

LOUISVILLE WANTS THE S. A. F. IN 1912.

Fifty florists from Louisville and New Albany met last night at a dinner at the Louisville Hotel as guests of the Louisville Convention and Publicity League for the purpose of arranging plans to secure for Louisville the 1912 convention of the National Society of Florists.—*Louisville (Ky.) Courier Journal*.

CLUB AND SOCIETY NOTES.

The regular meeting of the Chicago Florists' Club will take place at the Union Restaurant July 6. Walter S. McGee of the Wizard Brand Fertilizer Co. will read a paper on fertilizers.

A committee, consisting of J. C. Quinette, P. A. Chopin and Paul Abele has been appointed to look out for the interest of the florists when the so-called "fly ordinance" comes up for passage.

The Syracuse Rose Society held their first show on the 15th and 16th. It was not a success in any way. The exhibits were not as large as expected, and the public did not patronize it as some anticipated.

Arrangements for an outing, which is an annual affair with the members of the New Orleans Horticultural Society, have been started. A committee of three, consisting of Messrs. Baker, Panter and Eble, was appointed to see to the arrangements. No definite date has been set for the outing, but it is proposed to have it about the middle of July.

A HIGH HONOR AWARDED.

The H. H. Hunnewell triennial premium for the most tastily laid out and planted estate, in a competition extending over three years, has been awarded to Col. Harry E. Converse of "The Moorings," at Marion, Mass. The garden committee of the Massachusetts Horticultural Society, which has the duty of the bestowal of this honor, visited "The Moorings" on Monday, June 26, and were escorted over its various attractions by Col. Converse and his superintendent, D. F. Roy, to whose skill as a gardener, industry and judgment, the credit is due for the splendid development of this 300 acre estate. Great advancement has been made during the past twelve months, of which we shall have more to say later on.

June 28, 1911.

HORTICULTURE. Enclosed please find \$1.00, my subscription to HORTICULTURE, which has been a valuable asset in the past, hoping it will be even greater in the future.

O. A. H., Conn.

Obituary.

Peter Ott.

Peter Ott, head florist for the Baltimore & Ohio railroad at Mansfield, O., and said to be the oldest florist in the city, died at his home on June 11. He had been employed by the road twenty-seven years.

Edward B. Voorhees.

Dr. Edward B. Voorhees, a well known authority on fertilizers, director of the New Jersey Agricultural Experimental Station and professor of agriculture at Rutgers College, died June 6, at New Brunswick, N. J.

Richard Metcalf.

Richard Metcalf, florist, died at his home, 1041 Jefferson avenue, Brooklyn, N. Y., June 18. He was born in Ripon, England, in 1841, coming to this country while a young man. In recent years he has conducted three establishments in Brooklyn.

Louis Magin.

Louis Magin, a retired florist, was run over and killed on the railroad near his home in Maplewood, St. Louis, Mo. He was 60 years old and president of the social club in Maplewood called the Greenhouse Club. He leaves a widow and three children to mourn his loss.

Mrs. Frank McMahon.

A telegram has been received announcing the death on Tuesday night, June 27, of the wife of Frank McMahon, rose grower, of Seabright, N. J. Details are lacking, but we take opportunity to express our deep sympathy with Mr. McMahon in his great sorrow. Mrs. McMahon was a lady of rare and lovable personality.

NEWS NOTES.

Rockton, Ill.—Joseph H. Farnsworth has purchased the greenhouses of Roscoe Gammon.

Lima, O.—Adolph Fruck will now do business under the name of Adolph Fruck & Son, as he has taken his son into partnership.

Gouverneur, N. Y.—The Brainard greenhouses have been leased by John T. Humphrey of Rome, N. Y., and he will take possession about Oct. 1.

Omaha, Neb.—C. C. Colie has been appointed manager for the Stark Bros. Nurseries & Orchards Co. He was formerly their representative at Carthage, Mo.

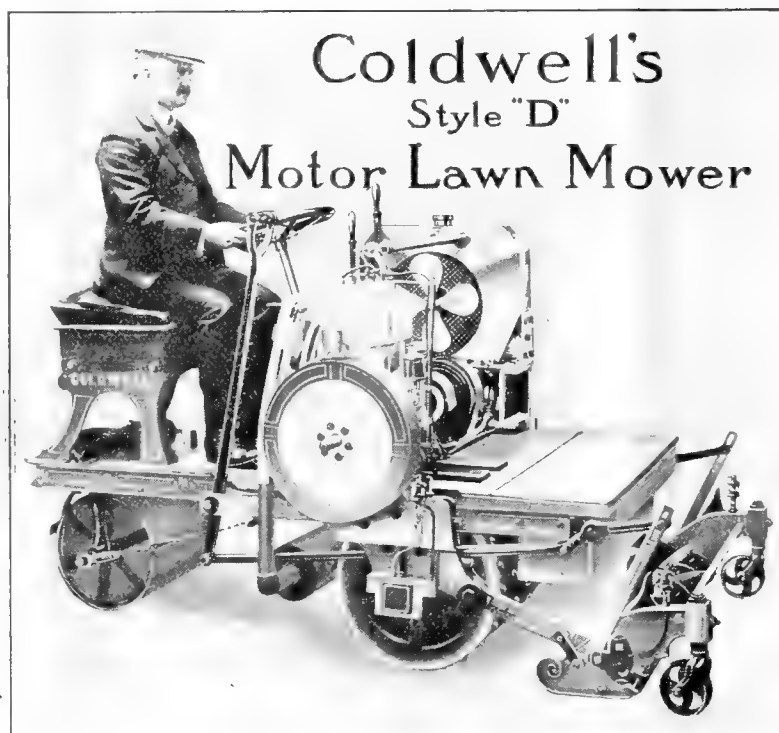
West Grove, Pa.—American Pillar roses are now in full bloom at The Conard & Jones Company nursery. One lot was planted last June, another on July 12th, from 2½-inch pots, both a mass of bloom. Anyone seeing these plants can easily understand why this variety created such a sensation at the Temple Show, London, last year. It would be interesting for rose lovers to note and see the difference between this and other varieties. Philadelphia is also showing up grand. The recent rains have brought out the color wonderfully.

Coldwell Lawn Mowers

Hand, Horse and Motor

Coldwell's Motor Lawn Mowers

Will do the work of three horse
lawn mowers — and do it better



☐ They will mow up 20 per cent grades. ☐ They leave no hoof prints as horses do.
☐ They will roll the lawn smoothly. ☐ They do away with the expense of two
men and three horses. ☐ They are of no expense when not in use. ☐ They
are simple to operate and economical. ☐ They are a necessity on every large lawn

Catalogue sent on request

Manufactured by

Coldwell Lawn Mower Company
Newburgh, N. Y.

During Recess

Opening at Waretown.

Once more the date for the time-honored ceremony of opening for the season the hospitable clubhouse at Waretown on Barnegat Bay came around; once more generous Commodore John Westcott got into the harness as host—the occupation he likes best in all the world; and once more, on Friday, June 23, did the fortunate recipients of an invitation make their way to the spot where good cheer abounds and dull care is forgotten. From Washington came Wm. R. Smith, John Clark and W. F. Gude; from Summit, N. J., J. N. May; from Boston, J. K. M. L. Farquhar and Wm. J. Stewart; from Philadelphia, John Burton, Geo. C. Watson, S. S. Pennock, Robert Craig, Robt. Kift, David Rust, George Craig, W. B. Westcott, Geo. Anderson, D. Donoghue, Dr. P. Lane and R. McKenna.

The visitors brought with them a set of Balzac—16 volumes—for the library, and presentation of same to Mr. Westcott was eloquently done by Mr. Craig.

Blue fish were beginning to "run" in the bay and some nice catches for so early in the season were made.

All Waretown events are good, but this was "the best ever." May the genial proprietor live many years to enjoy the pleasures of disseminating sunshine among his brother men.

St. Louis Picnic.

The St. Louis florists' picnic will be held July 20th at Ramona Park. This was decided by the committee that met last week. The wholesalers have agreed as usual to close up at noon on that day. A great many retailers will also close for half a day. A fine band has been engaged for the occasion. Everything will be free, the florist club paying all the expenses.

The committees are composed as follows: Reception—W. J. Pilcher, J. J. Beneke and F. J. Fillmore. Games—Geo. Schriefer, Al. Ginns, F. Aloes, Otto Bouring, Paddy Patton, Frank Windler, all employees of wholesale houses.

Baseball contests between the Wholesalers and Retailers will again be one of the features.

The Wholesale Quartette, composed of employees of the W. C. Smith's wholesale house invited trade paper correspondents to one of their rehearsals last week. Mr. Patton's song, "Watch Us Grow," was like a barrel of lard—it was well rendered; so were all the other songs they sang. They will surprise some of the knowing ones at the florists' picnic.

Chicago Bowlers.

Members of the Chicago Summer Bowling League are keeping up their interest and Mrs. McKellar and Mrs. Asmus bowled with them last week. Some good playing is expected from the Chicago bowlers at the convention.

Scores for June 20th were as follows:

Kraus	193 161 159	Olsen,	191 208 166
Lorman,	188 139 234	Wolf,	200 145 142
St. Louis,	143 110 187	A. Zeck,	206 152 176
J. H'ner,	147 123 186	Graff,	190 169 209
J. Zeck,	167 199 192	Asmus,	134 151 147
Ayers,	174 191 161	Stevens,	247 222 206
A. H'ner,	112 212	McKellar,	171 143
Mrs. A. M's,	— 122	Mrs. McK.,	— 162

New York Bowlers.

Scores recorded on Friday evening, June 23, 1911, were as follows:

Manda,	170 208 162	Chidwick,	200 203 205
Scott,	166 178 169	Nugent,	111 108 156
Kakuda,	156 213 158	D'birds'n,	199 196 199

The Chicago Carnation Co.'s baseball team lost out, 16 to 12, last week when playing the Washington Street team, Lockport team being disabled.

The Greek-American florists' outing will take place on July 6th on the steamer John Sylvester in New York harbor.

GREENHOUSES BUILDING OR CONTEMPLATED.

Plymouth, Ind.—Jacob Jordan, one house.

Chicago, Ill.—Frances B. Stanmeyer, one house.

Hempstead, N. Y.—Henry Weston, sweet pea house.

West Newbury, Mass.—Chas. F. Newell, additions.

Brooklyn, N. Y.—Henry Hession, two houses, each 59 x 192 feet.

Hobart, Ind.—A. Londonberg & Sons, two houses, each 27 x 100 feet.

Murray Hill, N. J.—Lyman B. Codrington, large sweet pea house.

Pencoyd, Pa.—West Laurel Hill cemetery, four houses 28 x 150 feet.

Yonkers, N. Y.—S. Untermyer, Grey-stone, Lord & Burnham house 30x110.

Elmhurst, Ill.—Wendland & Keimel, ten houses 34 x 200; one house 27 x 200.

Saginaw, Mich.—The Wm. Roethke Floral Co., rebuilding range of houses.

Detroit, Mich.—Gust. Taepke is remodeling four houses on his Elmwood avenue plant.

Dedham, Mass.—R. & J. Farquhar & Co., one house 50 x 200, one house 54 x 200. King construction.

Jackson, Mich.—Clara Brown & Co., chrysanthemum house, 20 x 100. Other houses are projected for the future.

Grand Rapids, Mich.—R. Yonkers, two large houses; Peter Blanksma, rebuilding two houses; Henry Smith, two violet houses.

The Boston office of the Lord & Burnham Co. has recently booked the following contracts:

Lewiston, Me., Ernest Saunders, house 33.4 x 83 ft.; Newport, R. I., H. J. Hass, one house 36 x 100; one 12 x 100; Butler Hospital, Providence, R. I., large palm house.

Among the orders just billed by the Foley Mfg. Co. is one for a range of eleven houses for Wendland & Keimel, Elmhurst, Ill., to be equipped with flat rafters and steel channel gutters. Another just completed is for the new range for Wm. Breitmeyer at Charlotte, Mich., and still another for Heller Bros. at Newcastle, Ind. A contract is just being executed for Dingee & Conard, West Grove, Pa. All are using the new style gutters and malleable iron sash bars.

PHILADELPHIA NOTES.

Leo Niessen has been on a short vacation to the city by the sea. In Philadelphia parlance this means Atlantic City, of course.

Visitors: H. F. Littlefield, Worcester, Mass.; O. Joe Howard, secretary J. Van Lindley Nursery Co., Greensboro, N. C.; W. F. Gude, John Clark, Wm. R. Smith, Washington, D. C.

¶ When Uncle Sam wants horses for war—real use, he don't select them from beauty shows nor according to looks. He buys up such as street-car horses, all he can get, and such animals that have made good by steady honest work—the animal that averages well—day after day—for they have the power of endurance that will surpass anything in the world.

¶ Cold Storage Horseshoe Brand Giganteum have the same superior power of endurance. They have proved good—have stood the storage strain, and will average higher than any brand known in flowering results. We still have a limited quantity of fully matured Giganteum of last December delivery, which are excellent Cold Storage goods. They cost a little more perhaps than some brands but they are worth a lot more we think. Try them—order now.



Not How Cheap
But How Good

Ralph M. Ward & Co.

**12 West Broadway
NEW YORK CITY**

Bamboo Canes and Cold Storage Giganteum, Formosum, Auratum and Magnificum ready for delivery now or later.

PANSY SEED TIME

PANSY—Boddington's "CHALLENGE" ALL COLORS

This mixture contains all the finest Giant strains—of the leading Pansy Specialists in the world—the Giant self-colors, the Giant striped and margined, and the Giant blotched, etc., all carefully mixed in proportion—the finest that money can buy the finest your money can buy. A florist who has grown it said, "Why don't you call it Defiance?"

Trade pkt., 50c; 1/8-oz., 75c; 1/4-oz., \$1.50; 1/2-oz., \$2.75; oz., \$5.00

Choice Varieties of Giant Pansies

	Trade pkt.	1/4 oz.	Oz.
Giant Trimardeau. Improved mammoth-flowering in good range of color.....	\$0.15	\$0.50	\$1.50
Giant Masterpiece (Frilled Pansy). Petals beautifully waved, exquisite colors.....	.15	.85	3.00
Cassier's Giant. A fine strain of large highly colored flowers.....	.15	.85	3.00
Giant Bugnot's Stained. Exhibition. Extra choice flowers, large and plenty of light colors.....	.50		
Giant Madame Perret. A recent introduction, by a celebrated French specialist; of strong, free growth. Especially rich in red shades.....	.15	.85	3.00

	Trade pkt.	1/4 oz.	Oz.
Giant Fire King. Brilliant reddish yellow, with large brown eyes.....	\$0.25	\$1.00	\$3.00
Giant Lord Beaconsfield. Deep purple violet, top petals light blue.....	.15	.50	1.50
Giant Canary Bird. A five-spotted yellow variety. Ground color, is a deep golden yellow and each petal is marked with a dark blotch.....	.15	.85	3.00
Giant Orchideiflora. or Orchid-flowered Pansy. Splendid variety. Beautiful shades of pink, lilac, orange, rose, terra cotta, chamoise, etc.....	.25	1.25	4.00
Giant Emperor William. Ultramarine blue, purple eye.....	.10	.50	1.50
Giant Golden Queen. Bright yellow, no eye.....	.15	.60	2.00
Giant Golden Yellow. Yellow, brown eye.....	.25	.75	2.50
Giant King of the Blacks (Faust). Black.....	.15	.60	2.00
Giant President McKinley. Golden yellow, large dark blotch.....	.15	.85	3.00
Giant Prince Bismarck. Yellowish bronze, dark eye.....	.25	.75	2.50
Giant Rosy Lilac......	.15	.60	2.00
Giant Pretiosa. Crimson-rose, white margin, violet blotch.....	.15	.60	2.00
Giant White. Violet spot, the largest white.....	.10	.50	1.50

ARTHUR T. BODDINGTON, Seedsman, 342 West 14th St., NEW YORK

Seed Trade

Altoona, Ia.—The Iowa Seed Co., of Des Moines, is to erect a 100,000 bushel elevator here.

Birmingham, Ala.—Fire caused a loss of about \$10,000 to the Barber Drug & Seed Store recently.

St. Louis, Mo.—Henry Hesel, manager of the St. Louis Seed Co., is at present traveling in Europe.

Milford, Conn.—The Everett B. Clark Seed Co. is about to build a 38 x 62 three-story brick seed warehouse.

New York visitors: Henry Rix, Omaha, Neb.; W. W. Barnard, Chicago; J. K. M. L. Farquhar, Boston.

PERSONAL.

Piet Koster embarked from New York for home on the Rotterdam on Tuesday, June 27.

Mr. and Mrs. Charles Schenck of New York sailed for Europe on Tuesday, the 27th inst.

A. N. Pierson of Cromwell, Conn., is on a trip through the west and is in San Francisco this week.

George Fisher, buyer for the H. A. Fisher Co., was recently married to a young lady of Kalamazoo, Mich.

Mr. and Mrs. A. Y. Ellison and Mrs. Wm. Ellison of St. Louis left last week for their summer vacation at Northern lakes.

Thomas J. Grey, the ever-awake and never-at-rest seedsman of Boston, has just returned from a trip through Connecticut on business and pleasure combined.

Harry Wiid, superintendent at the Converse Estate, Conn., will sail, accompanied by his wife and two chil-



CHARLES H. BRECK

Massachusetts Representative, American Seed Trade Association

dren, on the Allan liner, Persian, from Boston on July 7, for a two months' vacation.

Charles W. Parker, president of the Massachusetts Horticultural Society, observed his 80th birthday anniversary June 27th. An immense bouquet of American Beauty roses was the congratulatory gift from his em-

ployees. Mr. Parker is "80 years young," and still hustling.

Jos. E. Roelker of New York was a recent visitor at Detroit, also Mr. Miller, formerly of Skidelski & Irwin, who stopped off on the way from New York to Chicago, where he is taking his place as a member of the firm of A. Henderson & Co.

E. W. King and Frank Cullen have returned to Philadelphia from their across-continent tour—as far as the Pacific coast—and booked for England on the Olympic. W. Atlee Burpee and David Burpee (his son) are on the same steamer besides the Doubledays and many other prominent representatives of the horticultural and publishing fraternities.

VEGETABLE PLANTS

CABBAGE, Wakefield, All Head, Succession, and other varieties, \$1.00 per 1000; 10,000 and over, @85c. per 1000.
LETTUCE, Grand Rapids, Big Boston, Boston Market and Tennis Ball, \$1.00 per 1000; 10,000 and over, @85c. per 1000.
BEEF, Crosby, Egyptian and Eclipse, \$1.25 per 1000.

Cash With Order

R. VINCENT, JR. & SONS CO., WHITE MARSH, MD.

Golden Self-Blanching Celery

White Plume, Giant Pascal transplanted plants, \$2.75 per thousand. Untransplanted plants, \$1.00 per thousand.

FOX HALL FARM
NORFOLK, VA.

PERENNIAL FLOWERS

Every florist should have a fairly representable collection of "Perennial Flowers" in his establishment be it either for the purpose of growing them for cut-flowers or plant trade. Many of the best varieties are readily grown from seed but in order to have them fairly large in the spring they should be sown in June.

We offer a very complete collection in our "Wholesale Seed Catalogue." Write for it to-day

HENRY F. MICHELL CO., 578 Market St., Phila.

**TURNIP SEED
BEANS**

For immediate delivery

LEONARD SEED CO.
226-230 W. KINZIE STREET, CHICAGO

Wholesale
SEED GROWERS AND DEALERS

Florists and Seedsmen Sell Your Own Scratch or Poultry Food

We will make it for you under your own brand for
\$28.00 PER TON

Send to-day for sample 100 lb. bag, \$1.50. Mr. C. E. Jensen of Atlantic Co., N. J., on Oct. 27, 1910, writes as follows: - I want to state that your three grades of Poultry Food; Chick Starter, Developing Food and "Square Deal" Scratch or Poultry Food stands without an equal to day. They are perfect mixtures and sound in grain and a pleasure to handle.

J. BOLGIANO & SON,
Importers and Wholesalers. Established for 92 Years.
BALTIMORE, - MD.

FINEST FLORISTS' SEEDS

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

Import Bulb List

Well Worth Reading
SEND FOR A COPY

The W. W. Barnard Co.
108-110 W. Kinzie St., CHICAGO

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

Headquarters for

SPRING BULBS

Send for Trade List

John Lewis Childs

Flowerfield - LONG ISLAND, N.Y.



SEEDS, PLANTS, BULBS

All seasonable kinds of best quality

Special prices on large lots

JAMES VICK'S SONS,
Seedsmen
ROCHESTER, N. Y.

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

In ordering goods please add "I saw it in HORTICULTURE."

Farquhar's Flower Seeds for The Florist

Write for our Wholesale Catalogue

R. & J. FARQUHAR & CO.
Boston, Mass.

Established 1820

Thorburn's Seeds

Asparagus Plumosus Nanus

New Crop Just Received

We offer while unsold as follows:

1,000 seeds	\$2.50.
5,000 seeds and up @	\$2.25 per 1000
10,000 seeds and up @	2.00 per 1000
20,000 seeds and up @	1.75 per 1000

Cold Storage Lily of the Valley Pips

HIGHEST GRADE

Cases of 1000 pips @	\$13.00 per case
Cases of 3000 pips @	36.00 per case

J. M. THORBURN & CO.
33 Barclay Street
NEW YORK

CHOICE SEEDS

FOR PRESENT PLANTING
Stocks, Asters, Chinese Primulas, etc.

THOMAS J. GREY CO.
32 South Market Street, Boston, Mass.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale Trade Only.

SAN JOSE, CALIF.

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Aldine 888. Aldine 881. Aldine 882.

SAMUEL MURRAY

**Kansas City, Mo.
913 Grand Ave.**

All Orders Given Prompt and Careful Attention



**WASHINGTON,
D. C.**

GUDE'S

The Far-Famed Flowers of
TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP
96 Yonge St., - - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE
Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.

Members Florists' Telegraph Assn.

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

Phila, Pa.—C. Trepel has purchased
the Lancaster Blossom Shop.

Camden, N. J.—The florist business
of Arthur Crouch has been discon-
tinued.

St. Paul, Minn.—The Merriam Park
Floral Co. has purchased the business
of August Swanson.

Greeley, Col.—P. O. Hansen, of Fort
Dodge, Ia., has purchased the green-
houses of W. H. Searing.

St. Louis, Mo.—The store of Grimm
& Gorley, 1518 Cass avenue, has been
purchased by E. O. Simmons.

Eugene, Ore.—R. Rae has purchased
the florist business of Ruggles Bros.
and will consolidate the two.

Beloit, Wis.—J. H. Farnsworth has
bought an interest in McMaster's
Floral Shop, which will now be known
as the Beloit Floral Shop.

STEAMER DEPARTURES

Allan.

Parisian, Boston-Glasgow....July 7

American.

New York, N. Y.-S'hampton...July 1

Philadelphia, N. Y.-S'hampton...July 8

Anchor.

Cameronia, N. Y.-Glasgow....July 1

California, N. Y.-Glasgow....July 8

Atlantic Transport.

Minnewaska, N. Y.-London....July 1

Minneapolis, N. Y.-London....July 8

Cunard.

Caronia, N. Y.-Liverpool....July 1

Saxonia, N. Y.-Mediterranean...July 3

Mauretania, N. Y.-Liverpool...July 5

Hamburg-American.

Cleveland, N. Y.-Hamburg....July 1

Moltke, N. Y.-Mediterranean...July 11

Holland.

Ryndam, N. Y.-Rotterdam....July 4

Potsdam, N. Y.-Rotterdam....July 11

Leyland.

Winifredian, Boston-Liv'pool...July 1

Bohemian, Boston-Liv'pool...July 8

North German Lloyd.

Prinzess Irene, N. Y.-Med'n...July 1

Kronp. Wilhelm, N. Y.-B'm'n...July 4

Bremen, N. Y.-Bremen...July 6

Kr. Wilhelm II, N. Y.-B'm'n...July 11

Red Star.

Kroonland, N. Y.-Antwerp....July 1

Finland, N. Y.-Antwerp....July 8

White Star.

Arabic, N. Y.-Liverpool....July 1

Canopic, Boston-Mel't'n...July 1

Cyprie, Boston-Liv'pool...July 3

Adriatic, N. Y.-S'hampton...July 5

Celtic, N. Y.-Liverpool....July 8

Boston, Mass.—William Penn, flor-
ist, Boston, was married on June 27
to Miss Sophia Rosenbush. Mr. and
Mrs. Penn left Boston on the 28th
and will go to Europe, where they
will visit the home of the bride's
parents in Hamburg.

NEW FLOWER STORES.

Dixon, Ill.—The Fallstrom Flower
Shop, Warner building.

Los Angeles, Cal.—Jack's Flower
Shop, 201 West Fifth street; Jack
D'Ortignac, proprietor.

Penn, the Florist, has completed
and opened for business the new ad-
dition to his store on Bromfield street,
Boston, which doubles his floor space,
giving him 40 feet of plate glass
frontage and one of the most com-
modious and beautiful salesrooms in
New England.

ALEX. McCONNELL

**571 FIFTH AVENUE
NEW YORK CITY**

Telegraphic orders forwarded to any
part of the United States, Canada, and
all principal cities of Europe. Orders
transferred or intrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill

Cable Address, ALEXCONNELL

NEW YORK

Orders for Steamer, Theatre, Hotel, or
Residence Carefully Filled.

Wm. H. LONG

412 Columbus Ave.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

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Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspond-
ents in all the large cities of Europe and the British
Colonies. Telegraph and Cable address, Dardspier

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points,
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

MATTHEWS The FLORIST

DAYTON, OHIO.

Is elegantly equipped to take care prop-
erly of all orders for flowers entrusted
to him night or day.

For Dayton, Ohio and Vicinity

"THE HOME OF FLOWERS"

The largest cut flower store in America.
Orders for the TWIN CITIES and for all
Northwestern points given prompt at-
tention.

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN
194 Boylston Street, Boston

LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

MANY ARE TAKING ADVANTAGE OF OUR PRE-INVENTORY SALE

Good from June 21st to August 15th

WE are making less than cost prices to reduce the expense of inventory and to make room for our new fall goods. Nothing will be sent out that is not first class stock and in perfect condition. Send for price list of stock.

E. H. HUNT, 131 N. Wabash Avenue, Chicago

CHICAGO NOTES.

Wreck.

Among the Chicago people severely shaken up by a collision on the Chicago & Milwaukee Electric, Sunday night, are the parents of Miss Martha Gunterberg, both of whom are quite badly hurt.

Trade Items.

The Schiller Co. have plans laid for again enlarging their store on West Madison street. Additional work room is needed to handle their trade.

The E. H. Hunt Co. is offering special inducements to buyers during the summer months. A full list of supplies will be mailed upon application. See advertisement in another part of this paper.

Chas. McKellar finds the demand for cattleyas very good this month. The Mossia and gigas are both looked upon with favor by the June brides, and

make very acceptable shower bouquets when used with lily of the valley.

The horse show of the South Side Country Club last week, which is a society event, called for the use of cattleyas for corsages and table decorations. There were a hundred dinner parties given during the week.

Charlotte Megchelsen, Grand Blvd. and 47th street, Chicago, has a fine new ice box and is refurnishing and redecorating her store. The color scheme of dull green and white will prevail.

John Kruchten finds his work at his greenhouse plant to be fully one month ahead of the average year. He makes a specialty of Killarney roses and, despite the unusual weather, has some of the best stock of that favorite rose to be seen.

The Chicago Flower Growers' Association at a recent meeting decided upon the location at 176 Michigan avenue, mentioned in last issue. This moves the wholesale market area another half block east. The store is being put in shape and will be ready for occupancy about the 15th of July. No choice of manager has been made yet.

The J. C. Moninger Co. have just completed their extensive catalogue, upon which they have worked for two years. It covers every want in greenhouse construction, and its half tones and coloring make it very attractive as well as useful. Their boilers are now made in Geneva, N. Y. The Moninger Co. report an unusually busy season.

Kroeschell Bros. have been given an order for a duplicate to the No. 14 boiler they exhibited at the National Flower Show at Boston. The purchaser, John Barr, of South Natick, Mass., has found it so satisfactory that he will install a second one in his new addition. The Kroeschell boilers are taking long journeys this month, one going to Vancouver, B. C., another to Great Neck, L. I., for a private place, and the third to Chas. Disler at Irvington, N. J.

Personal.

J. A. McAdams of Fort Worth, Tex., is a Chicago visitor.

Mr. and Mrs. O. P. Bassett are spending a few days in Detroit this week.

Harry Balsley of Detroit is calling on friends here, on his way back from the west.

Alex Newitt of St. Joseph, Mo., is here to attend the wedding of his niece at Joliet, Ill.

Henry Kruchten will spend a month

in Colorado, making Denver his headquarters, but spending much time in the mountains.

Alex. Newitt of the Stuppe Floral Co., St. Louis, Mo., is calling on old friends here. He was for several years with the J. B. Deamud Co.

Harry Philpott and A. T. Pyfer are planning to take their annual outing together, immediately after the next meeting of the Florists' Club, of which they are officers.

Jack Byers of the Chicago Carnation Co., left Monday for a cruise with his motor boat, on the eastern shore of Lake Michigan. He will visit the lake shore towns and return in two weeks ready for no end of hard work for the busy firm he is with.

Mr. and Mrs. Frank Pasternick have returned from their brief wedding trip, and are receiving the congratulations of their friends. Among the wedding gifts were many tokens of the regard in which the trade, both wholesale and retail, hold the groom.

Adolph Poehlmann had a very narrow escape from a serious injury June 22d. As he was stepping into his surrey at Plant "B," the horse started to run, and with the lines dragging ran to Plant "A," successfully making all the turns, but striking a post in the yard. Mr. Poehlmann was thrown violently to the ground, and suffered internal injury. His physician thinks he will soon be about again.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Amsterdam, N. Y.—Hatcher.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edw. MacMulkin, 194 Boylston St.
Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's 304 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Dayton, O.—Matthews, The Florist.
Denver, Col.—Park Floral Co., 1643 B'way.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Kansas City, Mo.—Samuel Murray, 912 Grand Ave.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 611 5th Ave.
New York—W. H. Long, 412 Columbus Av.
New York—Young & Nugent, 42 W. 28th.
New York—Dards, N. E. cor. 44th St. and Madison Ave.
St. Paul, Minn.—Holm & Olson.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.
Washington, D. C.—Gude Bros., 1214 F St.
Wellesley, Mass.—Tailby.

THE Florists' Supply House of America

H. BAYERSDORFER & CO.
1129 Arch St., Philadelphia, Pa.

Hatcher

Estab. 1877

LEADING FLORIST

Amsterdam, N. Y.

Schenectady, N. Y.

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points to

THOS. F. GALVIN
124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall
Schools. **TAILBY, Wellesley, Mass.**
Tel. Wellesley 44-1 and 2. Night 44-3

DURING THE HOT MONTHS

We have of exceptional good quality

Easter Lilies, per 100.....	\$10.00
Valley, per 100.....	3.00-4.00
Sweet Peas, per 100.....	50-1.00
Maryland Roses, per 100.....	3.00-8.00
Kaiserin Roses, per 100.....	3.00-8.00
Dagger Ferns, extra quality, per 1000...	1.50

Business Hours 7 A. M.-6 P. M.

The Leo Niessen Co.

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AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	BOSTON June 29	CHICAGO June 27	ST. LOUIS June 27	PHILA. June 20
Ara. Beauty, Fancy and Special...	15.00 to 25.00	..... to 25.00	20.00 to 25.00	25.00 to 30.00
" Extra.....	12.00 to 15.00	20.00 to 25.00	12.00 to 15.00	..... to 20.00
" No. 1.....	8.00 to 10.00	10.00 to 20.00	6.00 to 5.00	..... to 15.00
" Lower grades.....	2.00 to 4.00	5.00 to 8.00	2.00 to 4.00	5.00 to 10.00
Richmond Chatsenay, Fancy & Spl..	4.00 to 5.00	5.00 to 8.00	3.00 to 6.00	6.00 to 8.00
" Lower grades.....	1.00 to 2.00	2.00 to 4.00	1.00 to 2.00	..... to 4.00
Killarney, Maryland, Fan. & Spl..	4.00 to 10.00	5.00 to 8.00	3.00 to 6.00	6.00 to 8.00
" Lower grades.....	..... to 1.00	2.00 to 4.00	1.00 to 2.00	..... to 4.00
Bride, 'Maid, F. & S.....	4.00 to 5.00	5.00 to 8.00	3.00 to 5.00	4.00 to 6.00
" Lower grades.....	.25 to 1.00	2.00 to 4.00	1.00 to 2.00	3.00 to 4.00
Kaiserin, Carnot,.....	6.00 to 12.00	5.00 to 8.00	3.00 to 5.00	..... to
CARNATIONS, First Quality..	.75 to 1.00	1.00 to 2.00	1.50 to 2.00	2.00 to 3.00
" Ordinary.....	.50 to .75	..... to .....	.75 to 1.00	..... to 1.00
MISCELLANEOUS				
Cattleyas.....	40.00 to 50.00	30.00 to 50.00	..... to .....	..... to 40.00
Lilies, Longiflorum.....	3.00 to 4.00	6.00 to 10.00	10.00 to 12.50	10.00 to 12.00
Lily of the Valley.....	1.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Gladioli.....	3.00 to 5.00	..... to	5.00 to 8.00	..... to
Stocks.....	1.00 to 1.50	..... to .....	..... to .....	..... to
Daisies.....	..... to .50	.40 to .60	.35 to .50	..... to
Snapdragon.....	3.00 to 5.00	4.00 to 6.00	2.00 to 3.00	5.00 to 8.00
Sweet Peas.....	.25 to 1.00	.50 to .75	.25 to .35	.75 to 1.00
Gardenias.....	12.00 to 15.00	..... to .....	..... to	10.00 to 15.00
Adiantum.....	1.00 to 1.25	..... to 1.00	1.00 to 1.25	1.00 to 1.50
Smilax.....	12.00 to 15.00	15.00 to 20.00	12.00 to 15.00	20.00 to 25.00
Asparagus Plumosus, strings (100)	..... to 50.00	50.00 to 75.00	35.00 to 50.00	50.00 to 75.00
" " & Spren. (100 bchs.)	..... to 40.00	25.00 to 40.00	25.00 to 35.00	..... to 50.00

J.A. BUDLONG

82-84-86 E. Randolph St., Chicago

OUR STOCK IS A-1 AND IT IS QUALITY NOT PRICES THAT TALK

The Largest Florists' Supply House in New England

Everything in Flowers, from Best Growers. Complete stock of Florists' Greens. Ferns, Box, Southern Smilax, Laurel, Leucothoe, Galax, bronze and green, Moss. Three Floors of Baskets, Sheaves, Doves, Cape Flowers and all other supplies.

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New crop Dagger and Fancy Ferns, \$1.75 per 100. Green and Bronze Galax, 90c. per 1000; by the case, \$7.50. Boxwood, 50-lb. c. & c., \$7.50; by the lb., 25c. Laurel Wreaths, 10-inch, \$1.75 per doz.; 12-inch, \$2.25 per doz.; 14-inch, \$3.00 per doz.; 16-inch, \$4.50 per doz. Laurel Trimming, 4 and 5c. per yd.

In writing to Advertisers kindly mention Horticulture

Flower Market Reports.

BOSTON Last week's business was excellent all through. The first three days of the present week were the same, but at the close there is every evidence that the tide is fast ebbing and the June business, winding up the season of 1910-1911 has now passed into history. There will be very little going on for the next two or three weeks in the flower trade. As to quality carnations are fast petering out. Roses are in better shape, particularly the Carnots, which are selling at a higher figure than any others excepting Beauty. Lilies are a veritable drug. Sweet peas are seen in all grades and sell accordingly—from 25 cents up to \$1.00 a hundred, according to quality. An abundance of everything is in sight. No shortages.

The market took a decided change for the better last week, and there was business for the trade in general, and it was well divided up. There was sufficient stock, but a good portion could not be used, especially in the carnation line, which were on the sleepy side. Roses went well, particularly white, and at times not enough could be had. Killarney and Richmond were in good demand, also other roses, of which there was ample supply. Beauties were fine, and sold well, also sweet peas, lily of the valley and other material. Candidum lilies came in, and there was a good clean up on these as well as on Longiflorums and Japans.

A general shortage of **CHICAGO** first-class stock is the feature of the market as June closes. Not too short but just short enough, is the opinion of many for, after several weeks of extreme heat, trade has about reached the summer level and an abundance of stock would mean unsold stock. The June weddings have been as numerous as formerly but an absence of large decorations has been noticed. The prohibition of the use of flowers in the commencement exercises of the Chicago public schools was accepted with little grace again this year but no public protest was made. The summer roses, Kaiserin, Rhea Reid and My Maryland, are supplanting the winter ones though some excellent Killarneys are still cut. American Beauty is as much in demand locally as anything and when cut just right is shipping very satisfactorily. In fact this is the point with shippers now, to have all roses cut at just the right stage. Sweet peas of all lengths except the very long ones are still coming in plentifully and growers expect the supply to last about another month. Carnations are holding on well but quality is poor compared with cold weather stock. Excellent lily of the valley from the local growers is selling well. Fewer prairie flowers than usual are sold this

A Seasonable Hose Offer THE P/M BRAND

This brand has been made specially to our own order and specifications, and stands the rough usage of the greenhouse better than any other make at the price. Quality guaranteed. 25 and 50 ft. lengths.

16 cents per ft., couplings included.

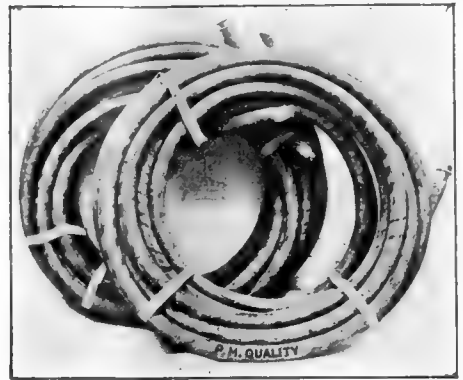
THE BULL DOG BRAND. Next to the P/M this well known make is in great favor with florists.

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THE 32½c. HOSE This may sound an extravagance to many and yet we are told by some of our customers that it is even more economical in the long run than anything lower priced.

32½ cents per ft., couplings included.

All hose sold by us is guaranteed



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FLORISTS OF

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109 W. 26th Street

PHILADELPHIA
1608-1620 Ludlow Street

WASHINGTON
1212 New York Ave.

WHOLESALE FLOWER MARKETS.—TRADE PRICES—Per 100 TO DEALERS ONLY

	CINCINNATI June 27		DETROIT June 26		BUFFALO June 20		PITTSBURG June 27	
ROSES								
Am. Beauty, Fan. and Sp.	12.00	to 15.00	20.00	to 25.00	20.00	to 25.00	25.00	to 30.00
" Extra .....	.....	to 10.00	15.00	to 20.00	10.00	to 12.00	.....	to 20.00
" No. 1 .....	.....	to 6.00	10.00	to 15.00	6.00	to 8.00	12.50	to 15.00
" Lower grades .....	.....	to 3.00	4.00	to 10.00	2.00	to 4.00	5.00	to 8.00
Richmond, Chatenay, Fan. & Spl.	4.00	to 5.00	6.00	to 8.00	5.00	to 6.00	6.00	to 8.00
" Lower Grades	2.00	to 3.00	3.00	to 6.00	2.00	to 3.00	3.00	to 4.00
Killarney, Maryland, Fan. & Spl.	4.00	to 5.00	6.00	to 8.00	6.00	to 8.00	6.00	to 10.00
" Low. Grades	2.00	to 3.00	3.00	to 6.00	2.00	to 4.00	3.00	to 4.00
Bride, 'Maid, F. & S. ....	.....	to 3.00	6.00	to 8.00	5.00	to 6.00	6.00	to 8.00
" Low. gr. ....	.....	to 3.00	3.00	to 6.00	2.00	to 3.00	3.00	to 4.00
Kaiserin, Carnot, .....	.....	to 3.00	3.00	to 6.00	.....	to 3.00	.....	to 4.00
CARNATIONS, First Quality .....	.....	to 3.00	2.00	to 3.00	1.50	to 2.00	.....	to 1.50
" Ordinary .....	.....	to 1.00	1.00	to 2.00	1.00	to 1.50	.....	to 1.00
MISCELLANEOUS								
Cattleyas .....	.....	to 10.00	.....	to 25.00	.....	to 35.00	50.00	to 60.00
Lilies, Longiflorum	8.00	to 10.00	12.50	to 15.00	8.00	to 10.00	10.00	to 12.00
Lily of the Valley	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Gladioli .....	.....	to 5.00	4.00	to 8.00	.....	to 8.00	.....	to 8.00
Stocks	1.00	to 3.00	.....	to 3.00	.....	to 3.00	.....	to 3.00
Daisies .....	.50	to 1.00	.50	to 1.50	.50	to 1.00	.....	to 1.00
Smilax	2.00	to 4.00	.....	to 4.00	.....	to 4.00	.....	to 4.00
Sweet Peas .....	.....	to .25	.50	to 1.00	.40	to .75	.50	to 1.00
Gardenias .....	.....	to 1.00	1.00	to 1.50	.50	to 1.50	.....	to 1.25
Adiantum	12.00	to 15.00	.....	to 15.00	.....	to 15.00	.....	to 15.00
Smilax .....	.....	to 50.00	20.00	to 30.00	40.00	to 60.00	35.00	to 50.00
Asparagus Plumosus, strings (100) ..	.....	to 20.00	20.00	to 30.00	25.00	to 50.00	35.00	to 50.00
" & Spreng. (100 bchs.) ..	.....	to 20.00	20.00	to 30.00	25.00	to 50.00	35.00	to 50.00

year. Plenty of ferns are in but smilax and asparagus are scarce.

Very little change, if any, was noticed in the market the past week. Business continues fair, with stock plentiful. Beauties are equal to the demand, some fairly good stock being offered considering the season. Pink roses, which have ruled short all during the month of June, are again coming in more plentifully. White roses are in heavy crop, the better grades cleaning up nicely, while the shorter grades

move more slowly. The supply of carnations is rapidly diminishing, and those now coming in are as good as could be expected at this date. Sweet peas are showing the beneficial results of the recent showers, and are improving in quality and quantity. Shasta daisies were good property up to the middle of the week, when the demand fell off. Lilies are to be had in quantity, and find a fair market. Lily of the valley is plentiful. The demand for smilax is gradually slowing up, with the supply equal to market requirements. Of Asparagus plumosus and Sprengeri there is more than a sufficiency.

(Continued on page 10.)

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A Full Line of All CUT FLOWERS.
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Fresh Cut Evergreens, Mosses,
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Preserved and Fresh Cut
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by the 100, 1000 or 10,000 The HOME OF THE LILY
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ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES AND CARNATIONS
Tel. 739
JAMES McMANUS, Mad. Sq. 55 W. 28th St., New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS

American Beauty, Fancy and Special.....	20.00 to 30.00
" " Extra.....	12.00 to 20.00
" " No. 1.....	0.00 to 10.00
" " Lower Grades.....	.50 to 2.00
Richmond, Chateau, Extra and Special.....	3.00 to 5.00
" " Lower Grades.....	1.00 to 2.00
Killarney, My Maryland, Extra and Special.....	2.00 to 3.00
" " Lower Grades.....	1.00 to 2.00
Bride, Field, Extra and Special.....	3.00 to 5.00
" " Lower Grades.....	.50 to 2.00
Kaiserin, Carnot.....	1.00 to 5.00
Carnations, First Quality.....	1.00 to 2.00
" Ordinary.....	.50 to .75

Last Half of Week ending June 24 1911	First Half of Week beginning June 26 1911
20.00 to 30.00	15.00 to 25.00
12.00 to 20.00	10.00 to 12.00
0.00 to 10.00	3.00 to 4.00
.50 to 2.00	.50 to 1.00
3.00 to 5.00	2.00 to 6.00
1.00 to 2.00	1.00 to 2.00
2.00 to 3.00	2.00 to 6.00
1.00 to 2.00	1.00 to 2.00
3.00 to 5.00	2.00 to 5.00
.50 to 2.00	1.00 to 1.50
1.00 to 5.00	1.00 to 5.00
1.00 to 2.00	1.00 to 2.00
.50 to .75	.50 to .75

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Wired Toothpicks
Manufactured by
W. J. COWEE, BERLIN, N. Y.
50,000... \$1.75; 50,000... \$7.50. Sample free.
For sale by dealers

A. L. YOUNG & CO.
WHOLESALE FLORISTS
Choice Cut Flowers
57 CONSIGNMENTS SOLICITED
54 West 28th St., NEW YORK
Prompt Payments. Telephone 3559 Madison Sq.

FRANK MILLANG
Wholesale Florist
55-57 West 26th St., NEW YORK
Shipments, any quantity, Whole-
sale Market Rates.

KRICK'S FLORIST NOVELTIES
Manufacturer and Patentee of the Per-
fect Adjustable Pot Handle or Hanger,
Perfect Adjustable Plant Stands and
the Original Genuine Immortelle Let-
ters, etc. Every Letter Marked
1164-66 Grove Ave., Brooklyn, N. Y.
For Sale by all Supply Houses.



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WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH

WILLIAM H. KUEBLER

Brooklyn's Foremost and Best

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A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

Tel. 4591 Main

WILLIAM F. KASTING Co.

Wholesale Florists

383-387 ELLICOTT ST. - - BUFFALO, N. Y.

Flower Market Reports

(Continued from page 17)

Local market conditions
DETROIT are normal for summer, as experienced every year, but perhaps a little advanced because of the extreme heat. Stock coming in is less than two weeks previous, which condition is more pronounced through the absence of peonies. Roses from newly planted stock are being sent in in large quantities, but being of poor keeping quality, a surplus of today does not prevent a shortage of tomorrow. Sweet peas average very good, most of them being butterfly varieties which the retail trade appreciates fully. The demand for commencement bouquets and wedding flowers has been sporadic, but insistent. On such days it was with great difficulty only that good quality flowers could be obtained.

The retail florists are experiencing the normal June demand but the wholesale markets have difficulty in supplying the material in satisfactory quality. Roses run very poor as a rule, the choice grades being practically extinct for the time being. Carnations are also very small and close up by the time they reach the market. A few very fine cattleyas are seen and such things as longiflorum lilies and lily of the valley are all right as to quality. The number of longiflorum giganteum sent to Smith by A. S. Burns, Jr., for one month was 91,000 which is believed to be a new high record for one establishment. Large quantities of Crimson Rambler bloom are being sent in and these together with double deutzia are found very useful in decorative work of any extent. Spiraea Anthony Waterer, lovely as a garden subject, lacks in color when brought indoors among bright colored flowers and while quantities of it are shipped to the wholesale markets, very little sale is found. Crimson Rambler sprays bring from 1 cent to 1½ cents per spray.

PHILADELPHIA There is very little change to report in this market since our last week's resume. It is gradually getting down to the summer level. Another week probably will inaugurate the regular summer business. The trend was rather spasmodic—fair in spots and then dull again. American Beauty roses are still fairly plentiful and selling right well—all things considered. Melody is still good and sells well—holding its color and quality remarkably. The car-

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending June 24 1911		First Half of Week beginning June 26 1911	
Cattleyas	20.00	to 35.00	15.00	to 40.00
Lilies, Longiflorum	2.00	to 4.00	3.00	to 4.00
Lily of the Valley	2.00	to 4.00	1.00	to 3.00
Gladioli	4.00	to 6.00	4.00	to 6.00
Stocks.....	.50	to .75	.50	to .75
Daisies.....	.10	to .25	.10	to .25
Snapdragons	2.00	to 3.00	1.00	to 3.00
Sweet Peas (per 100 bunches)	4.00	to 6.00	4.00	to 6.00
Gardenias	10.00	to 20.00	15.00	to 20.00
Adiantum.....	.50	to .75	.50	to .75
Smilax	5.00	to 8.00	5.00	to 8.00
Asparagus Plumosus, string	15.00	to 50.00	15.00	to 35.00
" & Spem. (100 bchs.)	15.00	to 25.00	10.00	to 20.00

nation market is fair, quality generally not very good although there are a few exceptionally fine lots to be seen. Orchids shorter in supply and moving a little better. Lily of the valley has hardened up and the stock now offered is up to regular standard. A nice improvement is also to be noted in the water lily market. These are now in good regular demand and command fair prices with no surplus. They may now be regarded as a staple article for a while. Sweet peas coming in very good and moving off nicely in large volume. Gardenias are not plentiful but enough for the demand. Shakespeare and America gladioli in evidence and seem to move well. All greens plentiful.

WASHINGTON Trade has settled down to something approaching summer dullness. Stock is plentiful and is coming along in fair condition. Prices are about normal. Sweet peas, scarce and poor two weeks ago, are now more plentiful and quite satisfactory. There is little to relieve the general dullness of the situation.

ST. LOUIS The flowers that are now coming into this market are not very choice and show considerable suffering from the dry spell—especially the outdoor stock. Roses of all kinds are poor, still the choice bring a liberal figure. Carnations are small and poor also. Sweet peas are scarce and inferior. The best stock coming in now are the gladioli and lilies. These have a large demand and sell clean daily, gladioli bringing as high as \$8.00 per 100 and best lilies, \$12.50. Some extra good asters are coming in which bring from \$3.00 to \$5.00 per 100 and clean up.

Philadelphia, Pa.—The store furnishings, etc., of Robert A. Stewart, florist, 212 South 13th street, were sold on June 19th.

NEWS NOTES.

Duluth, Minn.—Eischen Brothers are succeeded by the Duluth Floral Co.

Boston, Mass.—The Boston Co-operative Flower Market and the Boston Flower Exchange will close every Saturday at 12 noon during July and August.

Rochester, Ind.—Shelton, the florist, has leased the Dunn Greenhouses. He will continue to grow stock at the Dunn place, while the selling will be done at the Shelton greenhouses.

Syracuse, N. Y.—The florists have reaped the largest harvest this spring they have ever had, all being practically cleaned out. Some have had to take part of their stock plants to fill imperative orders. There is no question but that each year sees a larger demand. All are anticipating a heavy call for chrysanthemums this fall, and are making preparations to meet it. There has been a greatly increased sale of flowers for graduation exercises, many of the country high schools sending in large orders for good flowers.

THE BEST LETTERS

FOR
FLORIST'S
USE



THOSE
MADE
BY THE

Boston Florist Letter Co.

66 PEARL ST., BOSTON

N. F. McCarthy, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

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Inscriptions, Emblems, etc. Always in Stock.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

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Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

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For page see List of Advertisers.

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Alternantheras, 1500 red and 1500 yellow, fine plants from 2-inch pots, to close out \$15.00 per 1000. Cash. F. Sokol, Worcester, Mass.

AMPELOPSIS

AMPELOPSIS VEITCHII.

Strong seedlings,
50c per 100; \$4.00 per 1000 prepaid.
P. Pearson, 5732 Gunnison St., Chicago.

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Roslindale, Mass.
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ARTSTONE FLOWER VASES

Patrick Grace, Brighton, Mass.

ASPARAGUS

A. Leuthy & Co., Roslindale, Mass.
Asparagus Plumosus Nanus.
For page see List of Advertisers.

ASTERS.

Asters, Semples Branching, separate colors or mixed, nice plants, 50c. per 100, \$3.00 per 1000. Cash. M. B. Saunders Co., 25 Burnett St. Providence R. I.

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Loechner & Co., New York, N. Y.
For page see List of Advertisers.

BAY TREES

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.

Boblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Julius Roehrs Co., Rutherford, N. J.
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Bay trees, heads 24 in. through, \$12.00 a pair; heads 28 in. through, \$14.00 a pair; 32 in. heads, \$16.00 a pair; larger plants, \$18.00, \$25.00 and \$28.00 a pair. Pyramids, 50 in. high from tub, \$10.00 a pair; 75 in. high, \$18.00 and \$20.00 a pair. A. Schultheis, College Point, Queensborough, N. Y.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
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B. Vincent, Jr. & Sons Co., White Marsh,
Maryland.
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F. R. Pierson Co., Tarrytown-on-Hudson,
New York.
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Godfrey Aschmann, Philadelphia, Pa.
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Geranium Pottvine, Vland, Jaulin, La Favorite, English Ivy, Salvia Bonfire, Heliotrope, Fuchsias, Double White Feverfew, 3½ in., \$6.00 per 100; Geranium Sallerol, German Ivy, Double Sweet Alyssum, 3 in., \$5.00 per 100; White Marguerite, 3 in., \$4.00 per 100; Coleus, G. Bedder, Verschaffelt, Queen Victoria, 2½ and 3 in., \$2.50 and \$4.00 per 100; Green Cannas, 3½ in., \$5.00 per 100; Achrysanthes Lindenl, Ageratum, Double Lobelia, Dusty Miller, Verbenas, 2½ in., \$2.50 per 100; Abutilon Savitzli, 2 in., \$3.00 per 100. Cash. F. Sokol, Worcester, Mass.

BEGONIAS

A. Leuthy & Co., Roslindale, Mass.
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Skidelsky & Irwin Co., Philadelphia, Pa.
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Thomas Roland, Nahant, Mass.
Lorraine Begonias.
For page see List of Advertisers.

Begonia Lorraine, 2½ in., twice transplanted, \$12.00 per 100; in 500 lots, \$50.00 the 500. Julius Roehrs, Rutherford, N. J.

BOILERS

Kroeschell Bros. Co., 466 Erie St., Chicago.
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BOUVARDIAS

J. W. Foote, Reading, Mass.
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BOXWOOD

Boxwood for window boxes, \$20.00, \$25.00, \$30.00, \$40.00, per 100. Pyramids in tubs, very fine, \$3.00, \$4.00, \$5.00, \$6.00 a pair. A. Schultheis, College Point, Queensborough, N. Y.

BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.
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Boblink & Atkins, Rutherford, N. J.
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A. Leuthy & Co., Roslindale, Mass.
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Julius Roehrs Co., Rutherford, N. J.
Box Trees all sizes. Ask for special list.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St.,
Boston.
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J. M. Thorburn & Co., 33 Barclay St., N. Y.
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A. T. Boddington, 342 W. 14th St., N. Y.
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Rickards Bros., 37 East 19th St., New York.
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Henry F. Michell Co., Philadelphia, Pa.
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T. J. Grey & Co., 32 and 33 So. Market St.,
Boston.
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Ralph M. Ward & Co., 12 W. Broadway,
New York.

Horseshoe Brand.
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James Vick's Sons, Rochester, N. Y.
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Loechner & Co., New York, N. Y.
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John Lewis Childs, Flowerfield, L. I.
Spring Bulbs.
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The W. W. Barnard Co., Chicago, Ill.
Import Bulb List.
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Fottler, Fiske, Rawson Co., Boston, Mass.
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CANNAS

Cannas in large variety, dormant roots and plants. Send for our new price list. Clear View Gardens, Successors to Frank Cummings Bulb & Plant Co., Meridian, Miss.

Cannas, 3-in. pots, King Humbert, Brandywine, Venus, California, Alsace, Queen Charlotte, Gladiator, Niagara. P. of five, Chautauqua, Express, Phila., Buttercup, F. Vaughan, Wyoming, \$5.00 per 100. Will make special price as to kinds. Louis B. Eastburn, Kennett Square, Pa.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
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Chicago Carnation Co., Joliet, Ill.
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CHRYSANTHEMUMS

Chas. H. Totty Madison, N. J.

Wood Bros., Fishkill, N. Y.
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Elmer D. Smith, Adrian, Mich.
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SMITH'S CHRYSANTHEMUMS.
WEEKLY BULLETIN.

Fine stock for immediate delivery, not less than 25 at hundred, and 250 at thousand rate. The flowering season is in the order given beginning with the earlies.

WHITE	100	1000
Beatrice May	3.00	25.00
Indiana	3.00	25.00
Miss Clay Frick	3.00	25.00
Pres. Taft	3.00	25.00
Mrs. Wm. Arnold	3.00	25.00
Mlle. Margaret Desjouis	3.00	25.00
W. H. Chadwick	3.00	25.00
White Bonnaillon	3.00	25.00
Jeanne Nonin	3.00	25.00

YELLOW	100	1000
Golden Glow	3.00	25.00
Yellow Oct. Frost	3.00	25.00
Donatello	5.00	45.00

PINK	100	1000
Glory of Pacific	\$3.00	\$25.00
Pacific Supreme	3.00	25.00
Gloria	3.00	25.00
Mrs. Wm. Wincott	3.00	25.00
Dr. Enguehard	3.00	25.00
Mayor Weaver	3.00	25.00
Minnie Bailey	3.00	25.00
Helen Frick	3.00	25.00
Mlle. Jeanne Rosette	3.00	25.00

RED	100	1000
Pockett's Crimson	\$4.00	\$35.00
Intensity	4.00	35.00

Those interested in ANEMONES, POM-PONS and SINGLES will be quoted upon application.

This bulletin will be changed each week to comply with stock on hand.

ELMER D. SMITH & CO., ADRIAN, MICH.

Chrysanthemum rooted cuttings. Send for price list. Wm. Swayne, Kennett Square, Pa.

Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Chrysanthemums, rooted cuttings, Monrovia, Polly Rose, \$12.00 per 100. Vinca Var., 4 in. pots, fine full plants, \$12.00 per 100. Ivy, English, 4 in., \$12.00 per 100. Chas. Lenker, Freeport, L. I., N. Y.

Chrysanthemum, rooted cuttings, R. Halliday, Amorita, Ivory, Yellow Jones, Minnie Bailey, Y. Bonnaillon, Rosiere, Polly Rose, \$10.00 per 1000. Cash please. Hilpert & Hammen, 313 Belair Road, Baltimore, Md.

Chrysanthemums Halliday, Frick, Nonin, Byron, Tousse, Polly Rose, Pacific, Englehardt, Golden Glow, Adela, fine plants from 2½-in. pots, \$25.00 per thousand. Cash, please. William Hoffman, 673 East Ave., Pawtucket, R. I.

CINERARIAS

Cinerarias, best strain dwarf, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

For List of Advertisers See Page 24

COBAEAS

500 Cobaea Scandens, 4 in., \$4.00 per 100, purple. Or will exchange for Boston's Fischer Bros., 614 Dempster St., Evanston, Ill.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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COLEUS

R. Vincent, Jr. & Sons Co., White Marsh, Md.
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Coleus, strong 2½ in., \$1.25 100; \$12.00 1000. Six varieties including Golden Beder and best red.
J. E. Jackson, Gainesville, Ga.

CONIFERS

Eastern Nurseries, Jamaica Plain, Mass.

CROTONS

F. R. Pierson Co., Tarrytown-on-Hudson, New York.
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CUT FLOWER BOXES

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

CYCLAMENS

Cyclamen—Best Varieties in different colors, 3 inch pots, strong plants, \$10.00 per 100, \$80.00 per 1000. Julius Roehrs Company, Rutherford, N. J.

Cyclamen, 3-in. pots, selected giant strain, none better, \$10.00 per hundred, cash. William Hoffman, 673 East Ave., Pawtucket, R. I.

DAHLIAS

Herbert, Acto, N. J.

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R. Vincent, Jr. & Sons Co., White Marsh, Md.
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Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

Dahlias, divided roots, from 1 to 3 eyes to the piece. Send for list and get the latest varieties. W. P. LOTHROP, Brockton Dahlia Farm, E. Bridgewater, Mass.

DAHLIAS NEW FOR 1911.

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williamstown Junction, N. J. Post Office, Berlin, N. J.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.
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John Scott, Brooklyn, N. Y.
For page see List of Advertisers.

DRACAENAS

Dracaena indivisa, 3 feet high and over, 5½ and 6 to 6½ in. pots, in perfect condition, cheap to close out, \$25.00 per 100. A. Schultheis, College Point, Queensborough, N. Y.

EVERGREENS

New England Nurseries, Bedford, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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T. C. Thurlow's Sons, West Newbury, Mass.

FERNS

A. Leuthy & Co., Roslindale, Mass.
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H. H. Barrows & Son, Whitman, Mass.
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FERNS—Continued

John Scott, Brooklyn, N. Y.
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Frank Oechslin, 4911 Quincy Street, Chicago.

Ferns for Dishes.

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Robert Craig Co., Philadelphia, Pa.
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F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
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Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Shot Hills, N. J.

FERTILIZERS

20th Century Plant Food Co., Beverly, Mass.
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Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.

Wizard Brand Cattle Manure.

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Hardwood ashes, best fertilizer on earth for lawns and gardens. George Stevens, Peterborough, Ont., Canada.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
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FLORISTS' LETTERS

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.

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W. C. Krick, 1164-66 Greene Ave., Brooklyn, N. Y.

Immortelle Letters.

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FLORISTS' SUPPLIES

N. F. McCarthy & Co., 84 Hawley St., Boston.

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H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.
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M. Rice & Co., 1220 Race St., Phila., Pa.
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Reed & Keller, 122 W. 25th St., New York.
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H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

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S. S. Pennock-Meehan, Philadelphia, Pa.
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FLOWER POTS

W. H. Ernest, 28th and M Sts., Washington, D. C.

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A. H. Hews & Co., Cambridge, Mass.
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Hilfinger Bros., Ft. Edward, N. Y.
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Syracuse Pottery Co., Syracuse, N. Y.
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Peters & Reed Pottery Co., Zanesville, O.
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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

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Kervan Co., New York.

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H. M. Robinson & Co., 15 Province St.
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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.

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Geraniums, our selection, 4 in., \$7.00 per 100; 3 in., \$4.00 per 100; 2 in., \$2.00 per 100; \$18.50 per 1000. More than 100 varieties. Send for geranium catalogue. A. D. Root, Wooster, O.

GLASS

Boston Plate & Window Glass Co., Boston.
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Standard Plate Glass Co., 26-30 Sudbury St., Boston.

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Foley Mfg. Co., Western Ave., between 35th and 26th Sts., Chicago.

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Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.

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Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.

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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

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Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.

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GOLD FISH

Gold fish, aquarium plants, snails, castles, globes, aquarium, fish foods, nets, etc., wholesale. Franklin Barrett, breeder, 4815 D St., Philadelphia, Pa. Large breeding pairs for sale. Send for price lists.

GREENHOUSE BUILDING MATERIAL

A. T. Stearns Lumber Co., Neponset, Boston.

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King Construction Co., N. Tonawanda, N. Y.
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J. C. Moninger Co., 117 East Blackhawk St., Chicago, Ill.

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Foley Mfg. Co., Chicago.
Pecky Cypress for Benches.

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S. Jacobs & Sons, 1359-63 Flushing Ave., Brooklyn, N. Y.

Lord & Burnham Co.,
1133 Broadway, New York.

GREENHOUSE CONSTRUCTION

Foley Mfg. Co., Chicago.
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King Construction Co., N. Tonawanda, N. Y.
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A. T. Stearns Lumber Co., Boston, Mass.
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Hitchings & Co., 1170 Broadway, N. Y.

Lord & Burnham,
1133 Broadway, New York.

Pierson U-Bar Co., Madison Ave., New York
Designer and Builder.

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GUTTERS

King Construction Co., N. Tonawanda, N. Y.
King Channel Gutters.

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HAIL INSURANCE

Florists' Hall Assn. of America.
J. G. Esler, Saddle River, N. J.
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HARDY FERNS AND SUPPLIES

H. M. Robinson & Co., Boston, Mass.
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Michigan Cut Flower Exchange,
28 and 40 Broadway, Detroit, Mich.
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The Kervan Co., New York
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J. Jansky, Boston, Mass.
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HEATING APPARATUS

Kroeschell Bros. Co., 466 Erie St., Chicago.
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Lord & Burnham Co.,
1133 Broadway, New York.

In writing to Advertisers kindly mention Horticulture

HERBACEOUS PLANTS

- P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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- New England Nurseries, Bedford, Mass.
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- Bobbink & Atkins, Rutherford, N. J.
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HOSE

- H. A. Dreer, Philadelphia, Pa.

HOT-BED SASH

- A. T. Stearns Lumber Co., Neponset, Mass.
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- Foley Mfg. Co., Chicago.
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- Parshelsky Bros., Brooklyn, N. Y.
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- Lord & Burnham Co., 1133 Broadway, N. Y.

HYDRANGEAS

- F. R. Pierson Co., Tarrytown-on-Hudson, New York.
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- The true blue French Hydrangea from 5½ and 6 in. pots, sky blue, from 8 to 16 branches, \$9.00 per dozen. Best selected plants, \$12.00 per dozen. Cash please. A. Schultheis, College Point, Queensborough, N. Y.

INSECTICIDES

- Eastern Chemical Co., Boston, Mass.
Imp. Soap Spray.
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- Nicoticide kills all greenhouse pests.
P. R. Palethorpe Co., Owensboro, Ky.
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- Stumpp & Walter Co., New York.
Killdead Tobacco Dust.
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- Aphine Manufacturing Co., Madison, N. J.
Aphine.
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- E. H. Hunt, Chicago, Ill.
To-Bak-line Products.
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- Wilson Plant Oil and Fertilizer Co., New York, N. Y.
Wilson Plant Oil.
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- Wm. Elliott & Sons, New York, N. Y.
Tobacco Dust.
For page see List of Advertisers.

Acme Nicotine Insecticides sold direct to the grower. Acme 45 per cent. Liquid, pint \$1.75; gallon \$12.50. Acme Fumigating Paper, case of 288 sheets \$5.50. Sample can of 24 sheets 60 cents, postpaid. J. P. Beermaker, 9 Washington Ave., St. Louis, Mo.

GYPSY MOTH CREOSOTE.

The original Gypsy Moth Creosote, made especially by us for the Gypsy Moth Commission. Limpid at all temperatures, completely penetrates the nest; kills all eggs. Samuel Cabot, Inc., Mfg. Chemists, Boston, Mass.

IRON RESERVOIR VASES

- Walbridge & Co., Buffalo, N. Y.

IVIES

Surplus German Ivy, Alternanthera, Sweet Alyssum, 2 in., 2c. Will exchange for "Mums." E. A. Chipman, Woonsocket, R. I.

JAPANESE LILIES

- Loechnner & Co., New York, N. Y.
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KENTIAS.

- A. Leuthy & Co., Roslindale, Mass.
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- Bobbink & Atkins, Rutherford, N. J.
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LANDSCAPE GARDENING COURSE.

Home Correspondence School, Springfield, Mass., Dept. 8.
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LILIUM MULTIFLORUM AND GIGANTEUM

- R. M. Ward & Co., New York, N. Y.
Horse Shoe Brand.
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LOBELIAS

- Lobelia K. Mallard, good ones, 2¼ in., 2c. J. Clint McPherson, Carrollton, Ill.

MASTICA

- F. O. Pierce Co., New York, N. Y.
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NICO-FUME

- Kentucky Tobacco Product Co., Louisville, Ky.
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NIKOTEEN APHIS PUNK

- Nicotine Mfg. Co., St. Louis, Mo.
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NURSERY STOCK

- P. Ouwerkerk, Weehawken Heights, N. J.
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- New England Nurseries, Bedford, Mass.
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- W. & T. Smith Co., Geneva, N. Y.
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- Bobbink & Atkins, Rutherford, N. J.
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- T. C. Thurlow's Sons, Inc.
West Newbury, Mass.
- Bay State Nurseries, North Abington, Mass.

- Hardy, Northern Grown Stock.
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- Eastern Nurseries, Jamaica Plain, Mass.
Ground Covers and Plants for the Rockery.
- McHutchison & Co., New York, N. Y.
Direct Importations.
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- Loechnner & Co., New York, N. Y.
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TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS. Ellwanger & Barry, Rochester, N. Y.

Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00 by Horticulture Publishing Co., 11 Hamilton Place, Boston.

ONION SETS

- Leonard Seed Co., Chicago, Ill.
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ORCHID FLOWERS

- Jas. McManus, New York, N. Y.
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ORCHID PLANTS

- Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
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- Ordonez Bros., Madison, N. J., Box 108.
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- Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
For page see List of Advertisers.
- Joseph Manda, West Orange, N. J.
Cattleya Dowiana.

Orchids—largest stock in the country. Stove plants and Crotons, finest collection. Julius Roehrs Co., Rutherford, N. J.

Orchid Growers' Manual. By B. S. Williams, 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

Edward V. Low, late of Hugh Low & Co., dissolved, Vale Bridge, Haywards Heath, England. "White" Cattleyas and Choice Cypripediums are leading features.

PALMS

- A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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- Robert Craig Co., Philadelphia, Pa.
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- John Scott, Brooklyn, N. Y.
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- Julius Roehrs Co., Rutherford, N. J.
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- Joseph Heacock, Wynote, Pa.
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- Loechnner & Co., New York, N. Y.
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PAPER POTS

Paper Pots: 5000 3 in., \$5; 2¼ in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

- Siggers & Siggers, Washington, D. C.
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PECKY CYPRESS BENCHES

- Foley Mfg. Co., Chicago.
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- A. T. Stearns Lumber Co., Boston, Mass.
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PEONIES

PEONIES—1200 sorts, an enormous stock List ready. C. Betscher, Canal Dover, O.

PETUNIAS

Petunias (Dreer's), mixed, 2¼ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

PHOTOGRAPHS

I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan R. Graves, 414 Hayward Bldg., Rochester, N. Y.

PLANT STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

- H. A. Dreer, Philadelphia, Pa.
"Riverton Special."
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PIPE AND FITTINGS

- Foley Mfg. Co., Chicago.
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- Kroeschell Bros., Co., 466 Erie St., Chicago.
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- Metropolitan Material Co., Brooklyn, N. Y.
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POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

PRIMULAS

Primulas Chinese, fine plants. 2¼ in. \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

RHODODENDRONS

- P. Ouwerkerk, Hoboken, N. J.
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- Bobbink & Atkins, Rutherford, N. J.
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RIBBONS AND CHIFFONS

- M. Rice & Co., 1220 Race St., Phila., Pa.
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- S. S. Pennock-Meehan Co., Philadelphia, Pa.
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ROSES

- P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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- Robert Craig Co., Philadelphia, Pa.
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- W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
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- Bay State Nurseries, North Abington, Mass.
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- Wood Bros., Fishkill, N. Y.
Own Root Roses.
For page see List of Advertisers.
- A. N. Pierson, Cromwell, Conn.
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- Wanted—Rose plants of any kind. Melrose Garden Co., 90 Melrose St., Providence, R. I.

SALVIAS

Salvia Splendens, strong plants from cold frame, 75c. per 100. Miss Alicia Fowler, Union City, Ind.

SCALECIDE

- B. G. Pratt Co., New York, N. Y.
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SEED GROWERS

Braslan Seed Growers Co., San Jose, Cal.
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SEEDS

T. J. Grey Co., 32 So. Market St., Boston
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"Buds," New York, N. Y.

The W. W. Barnard Co., Chicago, Ill.
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J. Bolgiano & Son, Baltimore, Md.
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STEVIAS

Smilax, good stock, 2½-in. pots, \$16.00 per 1000. Cash from unknown parties. Bell phone connection. Alex. A. Laub, New Hamburg, N. Y.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

Ten bales sphagnum moss, \$7.00. Z. K. Jewett Co., Sparta, Wis.

SPRAYERS

Chas. J. Jager Co., Boston, Mass.
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SMILAX

Stevia rooted cuttings, 75c. a 100, pre-paid. Chas. Leisy, Mantua, N. J.

SWAINSONA

Swainsona. Strong 2½ inch. bud and bloom, \$3.00; 3 inch, \$5.00 per 100. Union City Greenhouses, Union City, Pa.

TREE RENOVATION

John T. Withers, Inc., Jersey City, N. J.
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Fox Hall Farm, Norfolk, Va.
Golden Self-Branching Celery.
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Tomato plants: Acme, Jewel, Stone, Champion, Earliana. Just right for field. Transplanted, 50c. per 100; out of 3 in. pots, \$1.50 per 100. Cash, please. W. C. Lester, Plainville, Conn.

Celery, White Plume, Pascal, Self Blanching, Winter Queen. Boston Market, Golden Heart, also Cabbage, Succession, Flat Dutch, Savoy, Drum Head, Sure Head, Danish Ball Head. Stocky, well rooted plants, \$1.25 per 1000. Cauliflower, \$2.50 per 1000. Cash, please. W. C. Lester, Plainville, Conn.

VENTILATING APPARATUS

Foley Mfg. Co., Chicago.
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The Advance Co., Richmond, Ind.
Improved Ventilator Arm.
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VINCAS

Vinca variegata from 3 in. pots, \$5.00 per 100. Cash with order. W. S. Nichol, Barrington, R. I.

WIREWORK

Reed & Keller, 122 W. 25th St., N. Y.
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Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.

William E. Heilscher's Wire Works, 38-40 Broadway, Detroit, Mich.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
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WOOD PRESERVATIVE

Conservo Wood Preservative doubles the life of all exposed lumber. Preserves benches, posts, sills or planking. Costs 3c. a stick, and saves ten times its cost. Samuel Cabot, Inc., Mfg. Chemists, Boston, Mass.

WHOLESALE FLORISTS**Boston**

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PRE-INVENTORY SALE.

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Little Ads Bring Big Returns

Little ads in our Classified Columns bring big returns to both advertiser and purchaser.

Anything that can be sold to florists, gardeners, park and cemetery superintendents, etc., can be sold through this medium in this department, and at very small cost.

Don't fail to read them each issue, for you will find one or more that will prove profitable to you.

They Cost Only One Cent a Word Undisplayed

In writing to Advertisers kindly mention Horticulture

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BUSINESS CHANCES

Here's a Mighty Fine Opportunity for a good man who knows the Nursery Business, or a firm who want a branch house.

I own one of the best greenhouse and nursery plants in the country—50,000 feet of glass is now in carnations and 130 acres in general nursery stock. I am a banker, a mighty busy man, and cannot give this enterprise the attention it deserves. A reliable nursery firm, or a competent man who possesses good business ability, will be sold a half interest at a fair price and on reasonable terms. It is desirable—but not absolutely necessary—that such a man should have a knowledge of greenhouse management and a married man is preferable. This locality is unexcelled for growing many kinds of nursery stock, and I believe it is an opportunity for a nursery firm or a capable man to establish a splendid business. If you feel that you are the type of a partner I am looking for, and can invest from \$15,000 to \$20,000 write to me at once.

V.Z., McFarland Publicity Service
Box 4, Harrisburg, Pa.

Peach bidders, who know how, wanted now.

PARTNER WANTED—An old established seed and implement house wants a live, hustling, young man to buy part interest and help in the active management of the rapidly growing business. The concern stands well in the trade and with proper help and management, can be made one of the largest in the country. All correspondence, confidential. Address Conservative, care HORTICULTURE.

HELP WANTED

Wanted First Class Grower

of Decorative Plants.

Must be experienced, a worker, single, sober and able to handle men. Responsible position. Apply with references to

A. A. MACDONALD
Duke's Farm, SOMERVILLE, N. J.

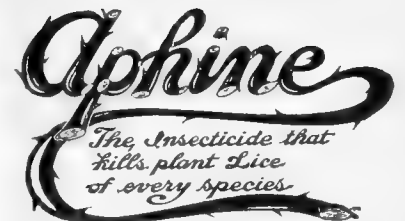
FOR SALE

FOR SALE Fresh from factory, new 10 x 12, 16 x 18, 16 x 24, double thick, A and B qualities. Market dropped. Now is the time to buy and save money. Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.

MISCELLANEOUS

WANTED TO LEASE—From 15,000 to 20,000 feet of glass, within 50 miles of New York City; modern place required, with good dwelling and outbuildings; prefer several acres. Chas. Barson, Ossining, N. Y.

Eldora, Ia.—R. C. Hindeman has been appointed manager for the Poland Floral Co.



"FUNGINE"

Metairie Ridge Nursery Co.

Harry Papworth, Pres.

New Orleans, La., June 13, 1911.

"Replying to your favor in regard to Fungine, we are pleased to say that we have found it a fine fungicide, especially on our Chrysanthemum cuttings, and all cuttings generally. Also fine for mildew on roses. It is the best fungicide we have ever tried."

Metairie Ridge Nursery Co.

Madison, N. J., June 21, 1911.

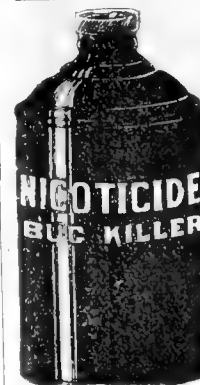
"I have sprayed our Crimson Ramblers with Fungine, and it proved a great success. Not alone destroying the mildew, but also taking the curl out of the leaves caused by the mildew. There is no remedy that I know of that will restore the leaves to their natural shape, only Fungine, and Fungine alone."

Wm. Whelan, Gdr. to A. de Bary.

FOR SALE BY SEEDMEN

MANUFACTURED BY

APHINE MANUFACTURING COMPANY
MADISON, N. J.



**The Best
Bug Killer and
Bloom Saver**

For PROOF

Write to

P. R. Palethorpe Co.
OWENSBORO, KY.

Spray Your Trees and Do Your Whitewashing



With Deming Spray Pumps You can have a good crop of pears, plums, cherries, apples, etc., if you keep your trees in good condition—free from insects.

DEMING SPRAYERS

Are inexpensive and are suitable for "white-washing" poultry-houses, cellars, etc., as well as spraying flowers, trees and shrubbery. Get complete Catalogue and Spraying formulas from
CHARLES J. JAGER COMPANY
2815 FRANKLIN STREET, BOSTON, MASS. AND
32 CANAL ST., PROVIDENCE, R. I.
A Complete Line of Tools and Office

Landscape Gardening



PROF. CRAIG

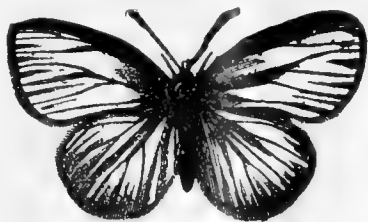
A course for Home-makers and Gardeners taught by Prof. Craig and Prof. Batchelor, of Cornell University.

Gardeners who understand up-to-date methods and practice are in demand for the best positions. A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250 page catalogue free. Write to-day
The Home Correspondence School

Dept. H, Springfield, Mass.

CABBAGE KEPT FREE FROM WORMS.



Butterfly and Larva.

DRAKE'S GARDEN.

East Brookfield, Mass., Jan. 14, 1905.
We have used **Slug Shot** and always found it very useful. Our potato crop yielded 200 bushels to the acre. **Slug Shot** for Cabbage Worms is the best defense in the world.

Very truly, F. A. DRAKE.

Cabbage Worms.

The Cabbage Worm has spread wherever cabbage is grown. Whether early cabbage or late cabbage, in garden or field, it perforates the plant, and is of all worms one of the most disgusting, to find hidden away in the folds of the leaf.

IF YOU WANT CABBAGE FREE FROM WORMS, USE HAMMOND'S SLUG SHOT.

How to Destroy Cabbage Worms.—**Slug Shot** can be used lightly or heavily and the cabbage suffers no harm. The cabbage forms its head by the interior growth; it throws off its earlier and outside leaves, and no dust can enfold within its head. Apply **Slug Shot** with a Duster (see illustration), sieve it over the plants or full grown cabbages. The powder is very fine and goes a long way in field or garden.

Tobacco Paper

IS THE

STRONGEST,

BEST PACKED,

EASIEST APPLIED.

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

“NICO-FUME”

Furnishes the

Most Nicotine for the Money

... Manufactured by ...

THE KENTUCKY TOBACCO PRODUCT CO.,

Louisville, Ky.

LIQUID

OVER 40% NICOTINE

By far the

CHEAPEST.

JUST NOTE PRICE!

Pint.....	\$ 1.50
1/2 Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

Imp Soap Spray

Clean and odorless. Forms invisible films. Non-corrosive. Usual effective strength, one to thirty-two.

Guaranteed under Food and Drug Act 1910.

Single gallons, \$1.50

In barrels, \$1.00

Eastern Chemical Company

Pittsburg Street

BOSTON

NIKOTEEN The most effective and economical material there is for spraying plants and blooms.

NIKOTEEN Skillfully extracted from leaf tobacco, and carefully refined, it is clean and easy to apply.

NIKOTEEN Does the work when vaporized either in pans, on pipes, or over a flame.

Full Pint Bottles, \$1.50.

NIKOTEEN APHIS PUNK

Specially prepared for fumigating closed houses. It vaporizes the Nicotine evenly and without waste. Nothing keeps a house free from Aphis so cheaply.

Price \$6.50 per case of 12 paraphrased boxes. All Seedmen.

To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

Use any form you choose but buy it of

E. H. HUNT, 131 N. Wabash Avenue, Chicago

TOBACCO DUST

\$2.00—100 lb.

WM. ELLIOTT & SONS,

42 Vesey St., New York

KILMDEAD

The best of all the tobacco dusts for

Dusting or Fumigating

Stump & Walter Co.

25 lbs. \$1.00	100 lbs. \$ 8.00	1000 lbs. \$27.00
50 lbs. 1.75	500 lbs. 14.00	2000 lbs. 52.50

50 Barclay St. New York. C

Cattle Manure in Bags

Shredded or Pulverized

Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field work. Write for circulars and prices.

The Pulverized Manure Company

Union Stock Yards Chicago

PRATT'S

“SCALECIDE”

Will positively destroy **SAN JOSE SCALE** and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water.

Send for Booklet, “Orchard Insurance.”

B. G. PRATT CO., 50 CHURCH ST., NEW YORK CITY.

Wilson Plant Oil & Fertilizer Company

150 Nassau Street, NEW YORK CITY

Horticultural Supplies

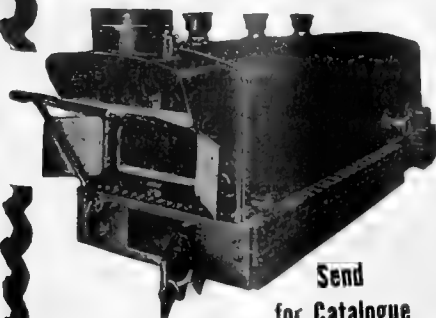
Write for our special Catalogue

Cocoanut Fibre Soil

Do you know what this is? Can you afford to remain ignorant? It means \$'s for you. Write for sample 10c. Agents wanted.

20th Century Plant Food Co., Beverly, Mass.

What the Users say



USE KROESCHELL BOILERS, AND KROESCHELL GENERATORS AND PIPING SYSTEM: SATISFACTION GUARANTEED.

"The Kroeschell Generator purchased from you some time since is giving excellent satisfaction. It not only ADDS TO THE CAPACITY of the boiler on account of the increased circulation of the hot water circulation, and consequently less piping is required, but it also seems to MAINTAIN A STEADIER and more even temperature all over the houses where it is in use. For instance, the new house I have just completed, 43 ft. wide by 265 ft. long, and piped according to your instructions, is not varying more than two degrees all over the house at any time, and I consider that remarkable for so large a house. Another advantage is that WHERE ROSES ARE GROWN, sulphur applied to the pipes for CHECKING MILDEW is much more effective."

STEPHEN MORTENSEN, Southampton, Pa.

KROESCHELL BROS. CO., 466 W. Erie St., Chicago, Ill.

Send for Catalogue

FOR "POT LUCK" TRY US... HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

WRITE FOR CATALOGUE AND DISCOUNTS

Pearson Street,
LONG ISLAND CITY, N. Y.

A. H. HEWS & CO., Inc.

Main Office and Factories
CAMBRIDGE, MASS.

OUR NEW TWIST-LESS ARM

Note the simple construction. One bolt securely fastens it to the shafting pipe. Easy to set up.



Use ADVANCE machines in your houses and forget all ventilating troubles. The children can operate them. Just what you want.

Our new catalogue J, thoroughly illustrates and describes our new arm, also the rest of our line. Get one, it will interest you.

ADVANCE CO., Richmond, Ind.

DREER'S "Riverton Special" Plant Tub



No.	Diam.	Each	Dox.	100
10	20 in.	\$1.45	\$16.00	\$130.00
20	18 in.	1.30	14.00	115.00
30	16 in.	1.00	11.25	92.00
40	14 in.	.85	7.00	56.00
50	12 in.	.45	5.00	40.00
60	10 in.	.38	4.00	32.00
70	8 in.	.30	3.50	28.00

Manufactured for us exclusively. The best tub ever introduced. The neatest, lightest and cheapest. Painted green, with electric welded hoops. The four largest sizes have drop handles.

HENRY A. DREER, Seeds, Plants, Bulbs and Supplies, 714 Chestnut Street, Philadelphia, Pa.

NEWS NOTES.

Washington, D. C.—The American Rose Co.'s store has been discontinued.

Lake Geneva, Wis.—The greenhouses of R. I. Crane were considerably damaged by a severe storm recently.

Brooklyn, N. Y.—Owing to rapidly increasing business, S. Jacobs & Sons expect to build an addition to their factory.

West Newbury, Mass.—The Brookdale Truck Farm conducted by Charles F. Newell will now be known as The Brookdale Nursery.

St. Cloud, Minn.—The greenhouses of the Anderson Floral Co. have been sold to John Mattson. They have been conducted by Mrs. Anderson since the death of her husband.

Newcastle, Ind.—P. J. Lynch has

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of the Capital, write us, we can save you money

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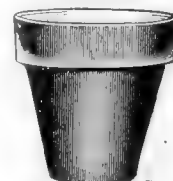
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HORTICULTURE

Vol. XIV.

JULY 8, 1911

No. 2



CYPRIPEDIUM TIBETICUM

A new, red flowered, Hardy Orchid from Tibet, as seen growing in its native haunts, altitude 12,000 ft.
Photograph by E. H. Wilson, reproduced by permission of Professor C. S. Sargent.

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Two New Hardy *Cypripediums* from Western China

Hardy *cypripediums* have been increased by the addition of two noteworthy species from Western China, as a result of the writer's recent plant-collecting work in that country. One of these, *C. tibeticum*, reached England in April 1905 and flowered the June following in Messrs. Veitch's Crombe Wood Nurseries. In 1906 it flowered again and was exhibited at the Temple Show, May 29th., receiving a F. C. C. Very few roots were introduced and the plant has in consequence, never got into gardens generally. On the Arnold Arboretum's second expedition just concluded (the writer's fourth in all) a considerable number of roots of this *C. tibeticum* and an even larger quantity of a new and yellow flowered species (*C. luteum*) have been successfully introduced to cultivation. The roots were received at the Arnold Arboretum, Boston, on April 12th. last, and a few plants were potted and kept in a greenhouse. On May 6th. *C. luteum* opened its flowers for the first time under cultivation and the photograph here reproduced was taken. The flowers are represented one-third natural size in the photograph but the originals were only about half their usual dimensions on account of their being forced.

These roots were dug up in October, 1910, transported some eighteen hundred miles by porters, boat, and steamer, and finally shipped from Shanghai on March 14th, 1911. Although the roots were a full six months from the time of collecting to that of planting they came through in good shape and hundreds are growing freely in the Arboretum nurseries. This augurs well for their vitality and their acclimatization should not be a difficult matter. Their hardiness, as judged from the altitude at which they occur in a native state and from plants growing in association with them, is assured. Both too, are sturdy, vigorous growers.

Cypripedium luteum is an erect growing species 20-45 cm. high. The flowers are solitary with sepals and petals deep, clear yellow; the pouch though occasionally all yellow, has usually a few spots or blotches of orange brown on its face.

Its habitat is the margins of thin woods and thickets; it also occurs on scrub-clad boulders stranded in bogs. Around Sungpan, in the extreme north-west corner of Szechuan, it is abundant in thin woods of spruce and silver fir, growing near the margin of

certain glacial torrents which are surcharged with petrifying limestone. Nevertheless, having seen it growing in a variety of soils, one would hesitate to say that a calcareous soil was necessary. A cool situation and plenty of leaf-soil would seem the essentials. This plant in habit, vigor and general appearance closely resembles our *C. spectabile* and where the latter thrives *C. luteum* should succeed.

Cypripedium tibeticum, as known to the writer, is a dwarf-growing species, 8-20 cm. high, but those from the Chumbi Valley attain to the height of 35 cm. The flowers are solitary, very large, with sepals and lateral petals striped and reticulated with reddish-purple on

paler ground color; pouch usually dark maroon-purple, rarely paler. This Tibetan *Cypripedium* was originally discovered in the Chumbi Valley in 1879, and received the manuscript name of "tibeticum" from Sir George King. Subsequently, it was regarded as a variety of the Siberian *C. macranthon* until recognized by Rolfe in 1892 as distinct. The late Monsieur Franchet named Pere Delavay's specimens of this plant *C. macranthon*, var. *corrugatum*, and later, in 1894, raised it to specific rank under the name of *C. corrugatum*. The Siberian *C. macranthon* is widely spread and admittedly variable but anyone who has seen the two (*C. tibeticum* and *C. macranthon*) growing wild or under cultivation would never regard them as one and the same species.

Cypripedium tibeticum is widely spread along the Chino-Thibetan borderland and on the Alpine moorlands, between three thousand and four thousand metres, is numerically one of the commonest plants. It occurs in countless thou-

sands as the accompanying illustration, from a photograph taken the end of June, 1908, indicates. It is possibly the finest of all red-flowered hardy *cypripediums*.

In addition to the foregoing species the Arnold Arboretum is in possession of a third introduced with them from the same regions. This may or may not be the widely spread *C. macranthon*. Later Mr. Rolfe hopes to investigate the matter further and decide its identity.



Reproduced by permission of Prof. C. S. Sargent.

CYPRIPEDIUM LUTEUM.

A new, yellow, flowered, hardy orchid from Thibet. Flowering for the first time under cultivation at the Arnold Arboretum, Boston, May 6, 1911.

S. W. Wilson.

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The torrid wave

The week just passed will go down into history as one of the most trying ever experienced by the horticulturist. All records have been broken as to high temperatures and the wave seems to have covered practically the entire country east of the Rockies. In some sections the conditions were modified somewhat by copious rains previously which prepared the ground and growing things for the ordeal. In others not even this little advantage was enjoyed and everything is parched up for want of rain. An excess of sunshine, with lack of rain and unprecedented torrid heat day after day has made the life of many growers one of anxiety. Of course a first-class product in flowers or anything else has been an impossibility under the circumstances.

Disarming the bully

Nothing of late has given us greater satisfaction than the evident determination of the people of the United States to get at the facts in connection with the express monopolies and their relations with their side partners, the railroads, in the transportation plundering that has been going on for so many years. The announcement of a proposed sweeping investigation by the Interstate Commerce Commission is glorious news. We have no doubt the facts when revealed will fully justify the undertaking. It stands to the credit of the S. A. F. that, as an organization, it was the first with the courage to tackle the bullying giant and first to take a fall out of him. Let us hope that the end of the oppression is now near and that in consequence, a new and better day is about to dawn in the industrial world.

Excuses not valid

The outcome of the sweet pea meeting and exhibition at Philadelphia has been a prolific cause for criticism and discussion whenever the devotees of the popular flower happen to congregate. Many local gardeners and also many of those north and east have been excusing their poor showing on account of the date. If that holds good how did Burpee do it in the latitude of Philadelphia and how was it that the next positions of honor were obtained by growers from Connecticut and New York? For some it was too early—for others, too late. But really where expert gardeners are concerned this hulla-balloo about a date seems rather far-fetched. Given a specified locality for a show the expert gardener has demonstrated time and again that he can so arrange his methods as to exhibit at that point and that a week or two makes little difference if he knows his business. We are learning from season to season just as they did in Great Britain on this point but over there they are further advanced. Of course we shall get there in time, but there is no use making weak excuses and hiding our heads in the sand. We can never make any progress that way.

A "transition period"

Many close observers, watching the lines of development and studying cause and effect as it appears at the present stage of the flower business are of the opinion that we have entered upon a sort of transition period, which, although its progress from day to day may not be apparent, will in time work changes of so radical a character that the florist of a few years hence will have to deal with totally different conditions from those that have appertained heretofore. The new alignments as they gradually assert themselves in different influential centres seem so variant that judgment as to how things will shape themselves differs according to the viewpoint of the observer. The future of the flower industry as read by a Chicago operator would, for instance, be quite different from that reasoned out by one whose point of observation is Boston, New York or Philadelphia, and the divergence of forecast would be equally wide as between growers and dealers, and between those who specialize in plants or in flowers. However, the readjustments are bound to come and, we doubt not, they will all be in the direction of better business methods and a more influential position for the florists' art among the leading commercial industries of our country.

Our notes this week on strawberries, from the pen of G. H. Penson, are the last contribution from that gentleman until fall as he is now about to start on a well-earned vacation. In due time he will resume his regular writing on "Fruits and Vegetables Under Glass" for HORTICULTURE.

Seasonable Notes of Culture on Florists' Stock

ANNUALS FOR LATE CUTTING

It is not too late to sow a number of annuals to meet a deficiency that always is felt in the latter part of the summer in the floral line. The most suitable varieties that can be sown now are candytufts, clarkias, calendulas, coreopsis, annual larkspurs and lupines, sweet alysums, mignonettes, scabiosas, nasturtiums, Gypsophila elegans, and Shirley poppies. Sow them in some place where it will be handy to use the hoe on them, as well as to give them water whenever they may need it. These will be found very serviceable stock at times for bouquets and floral pieces. They are bound to be gladly welcomed in the autumn unless we get an unusually early frost.

COMPOST FOR BULBS

A good many growers don't think of making any special preparation in the way of soil for their bulbs. The soil for bulbs should not be poor and worn out, but should be good live rich soil that has been thoroughly mixed some time before using. If you have plenty of sod and cow manure that were heaped up last fall, use it; you will have better flowers. In making a compost for all bulbs it is well to remember that it should be sufficiently porous to allow the free passage of water through it. If your soil is heavy you should consequently add some sand to render it lighter. All manure should be used when in a somewhat dry state; in a fresh state it has often proved very destructive in bulb growing. To have this compost in a fine mechanical condition make it up now and turn it over three or four times. Just before you use it see that it is not too dry nor sufficiently wet to cling together.

CARE OF YOUNG ROSES

Houses that were planted early should now be in fine growing condition. Keep the plants disbudded, but do not disbud all your plants at once, and do not remove all the buds from a plant at any one time, which has a tendency to check growth too much. It is better to look over your plants every other day. This object should be to make your plants break so as to prevent cropping, in a measure at least. Give a good syringing every bright day and on hot days give one or two extra syringings as it helps in keeping a cooler and moist air which induces good growth and makes it an easy matter to keep clear of red spider. See that the watering is carefully done; water around the plants first separately and then, if bed is dry, soak the whole, and continue to do this until the plants have filled the beds with roots. Ventilate freely now so as to keep the atmosphere as buoyant and bracing as possible, for this will be of material benefit in producing healthy plants. Staking or tying is now in order to keep the plants in an upright position. Keep the surface stirred at least once a week. When fumigating for green fly wait until the temperature drops below 72 degrees and see that your beds are not very dry otherwise the plants will scald.

FREESIAS

These bulbs are usually the first of the many flowering bulbs to arrive. Where a batch is wanted for or around Christmas plant as soon as you can get them in flats or pans. They will do well in flats that contain 4 or 5 inches of soil or in pans 10 or 12 inches in diameter. See that each flat or pan has proper drain-

age. Use two-thirds well decayed fibrous loam and about one-third well-dried cow manure and add a good dash of sharp sand. It is right to plant the bulbs about two inches apart each way to insure fine spikes. When planting push the bulbs down so that they are just covered. After planting place on a cool shed floor, or in a cold frame. Give them a good watering and if in a frame keep them shaded until they start, when they should have full sun. Keep them under frame culture away into September.

John J. M. Farrell

Mr. Farrell's next notes will be on the following: Chrysanthemums; Housing Carnations; Hollyhocks; Lorraine Begonias; Oncidiums; Asparagus Sprengeri; Lilies for Fall; Perennial Lupines and Larkspurs.

Varieties of Strawberries for Forcing

Strawberries will be nearly out of season by the time this is in print, but home grown strawberries on the table the first week in March is a thing to think of now, as layers for this purpose will soon need obtaining. With so many varieties grown in the field today it is quite a problem to select the most suitable for early forcing work. The two conditions are so extreme, that plants cannot be expected to thrive to perfection in both. On the one hand we have the hot sun of July and August when the plants are making up their crowns; on the other, when we expect them "to come forth in all their glory" with flowers and later fully developed fruit we have the dullest months of the year, viz., from December on fire heat can be brought to bear on them, but we all know one day's sunshine is worth four of fire heat.

Some varieties answer well to artificial heat but refuse to grow through the hot weather, consequently no satisfactory crown can be grown in time. One very noticeable variety in this respect is Royal Sovereign, an English variety which is a standard for forcing purposes over there. This was tried here and just refused to grow, although having the same treatment as other varieties. Marshall is found to force earlier and better than any other variety here. The plants "get away" good and make up a good crown and answer well to forcing. The batches started through December will not have very long stalks to the fruit; in fact no variety does. The flowers always carry an adequate supply of pollen. Parker Earle is somewhat similar, carrying a darker colored fruit but not such a reliable setter as Marshall.

We force more of Marshall than any other variety, but for later work we find President, Nick Ohmer and Dornan good. They take a little longer to develop than Marshall, but fine large berries can be grown on them. President is a solid fruit and ships well. Nick Ohmer and Dornan throw up a strong flower spike well over the pot and carry berries of excellent shape and flavor.

Probably other readers could tell us of other varieties which have been forced successfully.

George H. Benson

Dukes Farm, N. J.

NATIONAL SWEET PEA SOCIETY OF AMERICA

THE EXHIBITION.

As briefly announced in our issue of last week, the third annual meeting and exhibition of the National Sweet Pea Society was held in Philadelphia on June 29th and 30th, and proved quite successful—although not so large as expected. The season being unusually backward, many of the regular exhibitors from northern and eastern points were consequently unable to show.

The star feature was undoubtedly the magnificent Burpee display, which occupied the entire northern side of the main hall and took five men six hours to stage. The flowers were in splendid shape, the finest that we have ever seen shown, and the finest Burpee has done yet. The staging was exceedingly effective—the large handsome vases were arranged in tiers one above the other, the background being *Eulalia zebrina*. At intervals pyramids three and four feet high were arranged to break the monotony. There were over twenty thousand blooms in this Burpee collection—and over two hundred varieties. The most conspicuous and sensational variety was a new one named "Stirling Stent"—a glowing orange—which was imported from the Isle of Wight last fall and flowered for the first time here this year. Mr. Kerr assures us that this one stands out hot sun splendidly without burning and is "the greatest thing yet" in its color and type (Spencer). It was sent out in England last year at two dollars for six seeds and even at that extraordinary price the supply was altogether inadequate. Another extra fine one was Vermilion Brilliant, for which they were awarded the cup offered by the North American. The exhibit as a whole was given the premier award of the show—the Morse Challenge Cup; for the best commercial collection. They also were awarded the N. S. P. S. certificate of merit for the following new seedlings, also a silver medal for those new varieties in addition to the certificate:

Irish Belle: A rich rosy mauve, with a silvery suffusion. One of the most distinct sweet peas in existence. It is liable to supersede a whole lot of varieties heretofore leaders in its class and color.

Empress Eugenie: White, flaked pale lavender.

Fordhook Fairy: White, with a bluish bluish suffusion.

Margaret Atlee: A rich cream and bright pinkish rose. One of the most beautiful and distinct of all the new varieties.

The certificate and silver medal also covered two seedlings as yet only under number and both coming from the amber and creamy pink varieties—the class in line for perfect yellow—for which many strenuous flights have been made, but with only moderate progress so far. W. Atlee Burpee has a standing offer for his ambitious scion, David Burpee, of three thousand dollars for ten seeds of the first real yellow sweet pea.

Henry A. Dreer put up a fine exhibit of the newer and choicer varieties of nymphaeas and other aquatics, also a nice collection of Japanese irises. Bertrand H. Farr, our distinguished peony specialist, was on deck with a nice lot of *Iris Kaempferi*, which formed the chief decoration in front of the stage and were a center

of attraction. Joseph A. Manda and Julius Roehrs Co. contributed interesting collections of choice and seasonable orchids. John Lewis Childs had a nice lot of *Calla Elliotiana*. Aphine and Fungine were very much in evidence and the genial M. C. Ebel had his hands full explaining their merits. Mrs. Geo. H. McFadden and Clement B. Newbold were the stars in hardy perennials.

The official prize list follows:

Class 1. Collection of sweet peas—First prize, Miss M. T. Cockcroft, Adam Paterson, gard.; second, Herbert L. Pratt, Henry Gaut, gard.

Class 2. Vase of one variety of Spencer type introduced in 1911—John W. Pepper, William Robertson, gard.

Class 3. Grandiflora type—First, S. M. Goldsmith, William R. Seymour, gard.; second, Herbert L. Pratt.

Class 5. Spencer variety, mixed—Miss M. T. Cockcroft.

Class 6. Magnificent, mixed—Mrs. George H. McFadden.

Class 9. Collection of twenty-five varieties, not fewer than twenty-five stems—John W. Pepper.

Class 11. Vase Ruby Spencer—Herbert L. Pratt.

Class 12. Mrs. Rutzahn Spencer—Miss M. T. Cockcroft.

Class 13. White Spencer—Mrs. R. B. Ellison, Axel Lindroth, gard.

Class 14. Vari-colored—First, Herbert L. Pratt; second, G. W. Young, James Kennedy, gard.

Class 16. Fifty pink or rose—First, Thomas McKean Robert Abernethy, gard.; second, Miss M. T. Cockcroft.

Class 18. Vase of a new variety—Silver cup, won by W. Atlee Burpee & Co.

Class 19. White—First, Miss M. T. Cockcroft; second, Mrs. J. B. Trevor, Howard Nichols, gard.; third, S. M. Goldsmith, William R. Seymour, gard.

Class 20. Pink—First, Herbert L. Pratt; second, Mrs. R. B. Ellison; third, Henry Goldman.

Class 21. Deep rose—First, Herbert L. Pratt; second, Miss M. T. Cockcroft; third, S. M. Goldsmith.

Class 22. Lavender—First, Mrs. R. B. Ellison; second, Miss M. T. Cockcroft; third, Herbert L. Pratt.

Class 23. Salmon or orange—First, Herbert L. Pratt; second, C. B. Newbold; third, G. W. Young.

Class 24. Crimson or scarlet—First, Henry Goldman; second, Mrs. J. B. Trevor; third, S. M. Goldsmith.

Class 25. Primrose—First, S. M. Goldsmith; second, Thomas McKean; third, G. W. Young.

Class 26. Picotee edged—First, Miss M. T. Cockcroft; second, Herbert L. Pratt.

Class 27. Bicolor—G. W. Young.

Class 28. Striped or mottled—First, Henry Goldman; second, C. B. Newbold; third, Miss M. T. Cockcroft.

Class 29. Any other color—First, Mrs. R. B. Ellison; second, Henry Goldman; third, M. T. Cockcroft.

Class 30. White—First, Thomas McKean; second, Mrs. George H. McFadden.

Class 32. Lavender or blue—Herbert L. Pratt.

Class 34. Striped or bicolor—First, Mrs. R. B. Ellison; second, Herbert L. Pratt.

Class 35. Any other color—C. B. Newbold.

Class 38. Bride's bouquet of sweet peas—Robert Kift.

Class 39. Three vases of Aurora Spencer, Countess Spencer and King Edward Spencer—Herbert L. Pratt.

Class 40. Vase of mixed—First, Miss Mona Robinson; second, Mrs. R. B. Ellison.

Class 42. Best table of sweet peas—John W. Pepper.

Class 43. Six vases Spencer or Unwin—S. M. Goldsmith.

Class 45. Finest collection of sweet peas, Spencer, Unwin and grandiflora types—S. M. Goldsmith.

In addition the following prizes were awarded by the Pennsylvania Horticultural Society.

Class 60. Sweet peas, best vase, mixed—First, Mrs. R. B. Ellison, Axel Lindroth, gard.; second, Henry Goldman, Anthony Bauer, gard.

Class 61. Spencer varieties, best ten vases—W. W. Frazier, Sr.

Class 64. Japanese iris, collection—First,

C. B. Newbold; second, Thomas P. Hunter, Joseph Hurley, gard.

Class 65. Hardy herbaceous perennials, display of twelve species—First, C. B. Newbold; second, Mrs. George H. McFadden, David Aiken, gard.

Class 69. Sweet peas, twelve vases of fifty sprays each—First, James McCrear, James Coleman, gard.; second, W. W. Frazier, Sr., Walter Scott, gard.

Class 70. Zinnia elegans, Waterer's mammoth flowering—First, Mrs. George H. McFadden; second, C. B. Newbold.

Class 72. Outdoor cut flowers, collection of twelve species—First, C. B. Newbold; second, Mrs. George H. McFadden.

Class 73. Gloxinias—First, Mrs. J. J. Henry, Carl Lindroth, gard.; second, Mrs. George H. McFadden.

SECRETARY BUNYARD'S REPORT.

When I helped to organize the National Sweet Pea Society three years ago, I stated at the first meeting that it would and must be a success. Up to this time it has not fulfilled my highest expectations, but we have made substantial progress, have learned something, and have placed the society on a sound foundation. With the experience that is passed, we hope to still further the aims and objects of the society.

Up to and including this exhibition, we have held four shows, two in New York, one in Boston in connection with the S. A. F. National Flower Show, and the Philadelphia exhibition. All of these have been an expense to the society, no charge for admission being made. The only source of income is from the active membership, life members and the guarantors who have generously come to the front when needed. We have today 102 active members and 12 life members. Personally, I know that good results have accrued from our exhibitions. Perhaps the most material results are from the Boston Exhibition, the winter-flowering sweet peas shown by Wm. Sim of Cliftondale, Mass., exciting more general interest and admiration, so much that several florists in New York are building houses especially to grow sweet peas this winter.

The great difficulty in holding exhibitions in this country is its vastness. What would be a good date in Philadelphia is too early for New York, and a good date for New York is too early for New England, and that applies also to the West, so that the exhibition really resolves itself into a local show, which is a good reason for changing the place of meeting from year to year. Of course, this year has been exceptional owing to weather conditions. It has been suggested by one of our exhibitors that the date should be set at this meeting, and should be either the last week in June or the first week in July. This would give growers the opportunity to sow their seed to conform with these dates. It is much easier for a grower to hold off for a week than to force his plants into bloom. I trust that the Convention will seriously consider this matter.

Our society has helped to popularize the Spencer varieties among growers, private and commercial, and while some of the grandifloras are still popular, they are fast being displaced by the Spencer and Unwin types.

At Boston there were exhibited by Anton Zvolanek an entirely new race of sweet peas, some equaling and

others exceeding the beauty and type of the Spencers. Mr. Zvolanek deserves great credit for his work along these lines, and I hope in the near future this society will be able to accord medals to hybridizers and raisers of new varieties. I understand that The W. Atlee Burpee Co., at Fordhook are also working along these lines, and have some very promising seedlings. Credit is also due the gentlemen who have helped to finance our society, not only from its inception but also at a time when guarantee funds were needed for prizes, etc. I wish at this time to thank the generous donors of prizes, and your president, Mr. W. Atlee Burpee, for time and moral support so generously given.

If I were asked to name the best Spencer, Grandiflora and winter-flowering sweet peas today, I would give the following list apart from the varieties introduced this year:

SPENCER VARIETIES.

Asta Ohn Spencer, pure lavender with tinted pinkish rose, self colored; Aurora Spencer, orange rose or salmon striped on white; Apple Blossom Spencer, standard crimson rose, wings white tinged with pink; Captain of Blues Spencer, bluish purple with distinct margin of lilac; Countess Spencer, the original Spencer, clear pink; Flora Morse Spencer, delicate blush with pink margin; King Edward Spencer, pure red or crimson scarlet; Lovely Spencer, standard light blush with blotch of rose at the base; Othello Spencer, deep velvety maroon; Mrs. Walter Wright Spencer, rosy purple, self color; Primrose Spencer, pure light primrose yellow; White Spencer, pure white; Mrs. Routzan Spencer, primrose and buff, margin of light salmon; Helen Lewis, standard crimson orange, wings orange rose; John Ingman, rose carmine with rose veins; George Herbert, rose carmine.

UNWIN VARIETIES.

Frank Dolby, lavender and mauve; Gladys Unwin, bright pink a little deeper at the edges, almost self color; E. J. Castle, rose crimson with veins of deeper rose; Mrs. Alfred Watkins, bright pink at base shading to blush and buff at edges; Nora Unwin, pure white.

GRANDIFLORA VARIETIES.

Bolton's Pink, orange or salmon pink, veined with rose, extra early; Blanche Ferry, standard crimson rose, wings white tinged with pink; Burpee's Earliest white, pure white; Dorothy Eckford, pure white; Helen Pierce, marbled blue on ivory white; Hon. Mrs. E. Kenyon, clear light primrose; Lovely, deep pink, shading to very light pink at edges; Lady Grisell Hamilton, standard light mauve, wings lavender; Lord Nelson, standard indigo and violet, wings indigo; Miss Willmott, orange pink with veins of deeper orange rose; Mrs. Geo. Higginson, Jr., azure-blue, the lightest and clearest blue in sweet peas; Prince Olaf, bright blue, striped on white; Queen Alexandra, very bright red almost a true scarlet; Edward VII, bright red or crimson scarlet.

WINTER FLOWERING SWEET PEAS.

Snowbird, pure white; Christmas Pink, standard rose, wings white; Christmas white, pure white; Canary, primrose yellow; Flamingo, crimson scarlet; Christmas Captain, blue and purple; Florence Denzer, pure white; Greenbrook, white slightly touched with lavender; Mrs. Alex. Wallace, lavender; Mrs. Wm. Sim, salmon pink; Mrs. W. W. Smalley, satiny pink; Wallacea, lavender; Watchung, pure white; Mrs. E. Wild, rose salmon; Mrs. Chas. H. Totty, sky blue.

While experts may differ with me on my selection, people will not go far wrong in planting the above varieties.

Cornell University, where under the care of Prof. Craig and A. C. Beal, the trials of our society had been held, have just issued their bulletin No. 301 entitled "Sweet Pea Studies." These have been mailed to all members, through the courtesy of the University, under a frank without cost to the society. Thanks are due to the energy

and work of the above gentlemen. If any member has not received a copy, I would ask them to kindly notify me at once.

Referring to the above selection of sweet peas, I think we are somewhat blessed in this country by not having the interminable quantity of new varieties placed on the market as they have in England every year. Unless it has real merit over existing varieties, it has not a place in the American seed catalogue or in the garden, neither do we have the same confiction of synonymous varieties under different names. Our growers in California, where 80 per cent. of the sweet pea seed of the world is grown, are exceptionally careful not only as to the new varieties they disseminate, but also as to rouging their stocks; neither do they send out new varieties unless to their knowledge they are thoroughly set. Among the most distinct breaks of recent years are the varieties Sterling Stent and Earl Spencer. In reality these are Henry Eckford Spencers, which I believe would be a better name. Many colors we have today cannot be bettered. Those the hybridizers are aiming for are a real buttercup yellow, the scarlet of the geranium and the blue of the Delphinium Belladonna. In the meantime, the hybridizers should concentrate their efforts upon improving the size and substance of the flower, number of flowers on a stem, length of the stem and strength and habit of the plant, an American breed of flowering sweet peas that will stand our hot summers, so that not only in name but in fact they will become "the poor man's orchid" and rivaling that flower.

NOTES.

Thomas H. Logan was the genial representative of our city on many occasions during the week, and earned the golden opinions of visitors.

According to Mr. Kerr, "A Mechanical Rogue" is a foreign variety that gets in through the fault of cleaning machinery. This fact was strongly shown in the tests of the variety Helen Lewis.

Robert Craig made an excellent address of welcome, touched with feeling, fervor, wit, learning and all that was fitting for the occasion. He has lost none of his old-time pre-eminence in this line.

Adam Paterson came down from Connecticut and showed a few of us a thing or two. We had the pleasure also of greeting a good old "nutmeg" in the person of Walter Angus of Chapinville.

Edwin Lonsdale's paper and greetings (all the way from California) were very much appreciated, and showed that our good old horticultural war horse has lost none of his fire or form. He is in a class by himself.

The irrigation system at Burpee's came in for much favorable comment. It can be raked fore and aft by the mere turn of a crank—as some of the guests realized when David Rust turned the crank on them unexpectedly.

The pink snapdragons at Fordhook have the right shade—delicate, yet distinct—desirable for the cut flower

variety so much sought after, and it is not to be wondered at that they jealously guard each flower stalk, for seeding purposes.

Among the finest of the fine new varieties of sweet peas seen at the Burpee trial grounds, note these: Marchioness of Tweedale, G. C. Waud, Martha Washington, Rose de Barry. The latter is one of the finest shades, and shows up wonderfully under artificial light.

The May-flowering varieties like Burpee's Earliest White and Improved Blanche Ferry were passe, and could only be mentioned in a reminiscent vein. They helped, however, to bring up the fact of the coming winter Spencers, and to bring on an animated discussion on these.

H. A. Bunyard is the everlasting finest secretary! His wit, bonhomie and enthusiasm are inexhaustible and perennial—and lucky is the society that gets his wonderful personality back of it. J. H. Pepper is the recording secretary of the N. S. P. S., but Mr. Bunyard has a pleasant variation on that title. He calls him their "Recording Angel."

J. K. M. L. Farquhar was an interested visitor at Riverton and Fordhook this week, and was very well pleased with the fine work the Dreers and Burpees are doing in their respective fields. He was particularly impressed with the splendid executive abilities of J. D. Eisele in the new developments at Dreers; and the sweet pea and cabbage trials at Burpee's.

M. and Mme. Davy of Arpajon, France, were the guests of Mr. and Mrs. Earl on the 29th and 30th ult., at Fordhook. Some of the effervescent Americans who helped "pick a bone" must have been a sad puzzle to these Gallic visitors. The writer hopes the picture he arranged on the Burpee lawn for them will prove a success. Madame deserves the finest ever.

A. W. Strange ably represented Joseph A. Manda of New Jersey, and put up a very attractive orchid exhibit. Unfortunately, one of the best flowers of his collection was stolen just before an interested exhibitor arrived in his automobile especially to see it, and a thousand dollar order went a glimmering! The individual who did this is known, and sad to relate is said to represent a well-known seed house in this city.

It is rumored that the next annual meeting and exhibition of the Sweet Pea Society will be held in Boston. William Sim is the new president. The axiom seems to be established—where goes the presidency, there goes the next meeting. It is a good idea in many ways, and as a rule works out first-rate. David Rust thinks a hard and fast date for the next exhibition ought to be set now, and let everybody live up to it. The scheme of shifting the date to suit local conditions at the last minute has not proved good in practice.

Some one was talking about the difficulty of spelling various words. One man said all spelling was fierce! especially "ei" and "ie." Among others Mr. Pepper gave an amusing one about Robert Cameron. It appears the latter's notes were written out by an

amanuensis, and instead of saying that the display of My Maryland was very fine the text said the display of "Mary's Lambs" was great. David Rust's expert steno. "Lewis" was almost as good, when he said in his report that the Burpee exhibit was a magnificent failure. When the explosion exploded it was found that the right word was "feature"—magnificent feature, instead of magnificent failure!

THE FORDHOOK VISIT.

Among the visitors to the Burpee Fordhook Farms trial grounds on the 30th ulto, were noted among many others, the following eager students of the latest and best; the oldest and worst; the good and the bad in sweet peas and other flowers and vegetables:

Harry A. Bunyard, N. Y.; Charles H. Totty, M. C. Ebel and William Duckham, Madison, N. J.; David Rust, Phila.; John H. Pepper, N. Y.; Samuel Hamilton, Huntington, Pa.; Miss Review, Chicago; A. E. Wohler, Merion, Pa.; George C. Watson, Phila.; Harry Turner, Yonkers, N. Y.; Alfred Rust, Conshohocken, Pa.; Robert Kift, Philadelphia, Pa.; Bertrand H. Farr, Reading, Pa.;



THE NORTH AMERICAN CUP.

A. H. Sears, Cambridge, Mass.; T. Connor, Philadelphia, Pa.; D. D. L. Farson, Overbrook, Pa.; Walter H. Leacock, National T. Co. and Doylestown, N. E. Kirby and A. M. Kirby, N. Y. City; Wm. Robertson, Elton, J. Drayton, Malone, N. Y.; Apuzet, Elton, Elton, Cornell University.

Howard M. Earl (Mr. Burpee's manager) in the absence of the chief in Europe did the honors in fine style, and made all the foregoing and many

A SWEET PEA AND WHAT IT WON.



VERMILION BRILLIANT

We present on this page pictures of W. Atlee Burpee & Co.'s new sweet pea, Vermilion Brilliant, and the North

American cup, which it won at Philadelphia, on June 29th and 30th, 1911, as the best scarlet sweet pea.

other visitors feel thoroughly at home, and was indefatigable in showing everything of interest. George W. Kern, his right bower and sweet pea expert, was an able second in this good war, and with note books in hand toiled patiently under the hot sun for four hours and discoursed eloquently on the fine points of their thousands of trials. We must not forget to say a good word for Earl, junior. Douglas is only a boy yet, but he jumped right in and led a bevy of the lady visitors under his charge.

After the inspection a sitting event took place on the lawn in front of the old homestead when Harry Turner presented the North American cup won with the new variety Vermilion Brilliant. Mr. Turner's remarks were well

chosen, eloquent, and to the point! Then followed three cheers and a tiger for Burpee—the High Priest of the Sweet Pea in America! Mr. Earl in accepting the trophy, gave everybody credit but himself; but it was easy to be seen that he was the proudest mortal in the world. All in all it was a splendid afternoon well spent, and everyone went away happy and glad they had enjoyed the opportunity.

INCORPORATED.

Kennebunk, Me.—The Franklin Forestry Co., capital stock \$10,000. Harry F. Gould, president and treasurer, Watertown, Mass.; Russell S. Langdell, Lowell, Mass.; Walter L. Dane, Kennebunk, Me.

CLUBS AND SOCIETIES

ROSE SHOW AT NEWPORT.

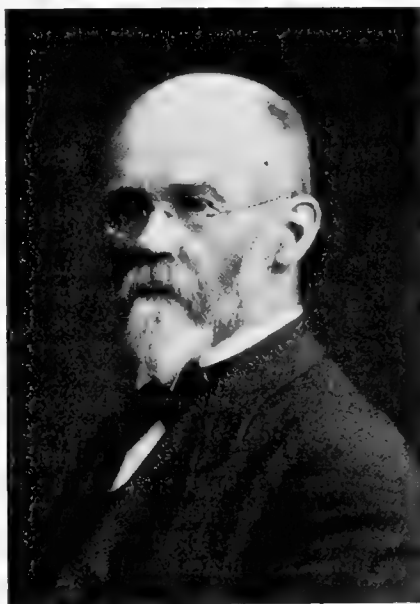
The postponed rose show of the Newport Horticultural Society was held June 27th in Sanborn Hall which is of much smaller dimensions than the hall usually used, but proved to be large enough, as unavoidable circumstances seemed to join in preventing as large a display as usual. However a few of the annual exhibitors exerted themselves with the result that for quality and arrangement the show was a decided success. The principal exhibitors were A. L. Dorward, gardener for Mrs. T. J. Emery, C. M. Bugholt, for Miss Fanny Foster, Hugh Williamson for W. W. Astor, Wm. Grey for Mrs. W. B. Leeds, John A. Forbes for August Belmont, J. Robertson for Mrs. T. O. Richardson, J. B. Urquhart for R. L. Beechman and Paul Valquardson for Mrs. W. G. Weld. Mr. Dorward was the most extensive exhibitor and carried off nearly all the first honors in the fruit and vegetable classes. The competition in roses was rather keen, there being three or more exhibits in nearly every class and most important of them was the collection of outdoor roses in which Mr. Williamson took first place with about fifty varieties of well selected flowers, Mr. Robertson was second with fewer varieties. Next in importance was the large display with arrangement to count and Mr. Urquhart was easily the first of three with a superb table of Hybrid Teas, Caroline Testout and Kaiserin A Victoria predominating. Mr. Urquhart also had it all his own way in the vase class of Hybrid Teas and also for vase of Frau K. Druschki. In the various classes for twelve specimens of Hybrid Perpetuals the honors were divided between Bugholt, Robertson and Forbes, Mr. Bugholt having the best of it. The varieties mostly used for those classes were F. K. Druschki for white, Clio and Margaret Dickinson for blush white, Mrs. John Laing, Mme. G. Luizet and Mrs. S. Crawford for pink, and Ulrich Brunner away in the lead as a red. In the Hybrid Tea class the best noted were Kaiserine A. Victoria, Caroline Testout, Etoile de France and the Lyon Rose.

Sweet peas were probably never seen here in better form. Three collections of six vases each were staged and Mr. Valquardson was awarded the first prize. Mr. Grey was a close second. Mr. Grey also showed the best cauliflower seen here in years. The usual fine display of table plants was represented by one collection only but they were considered worthy of the first prize. J. Robertson was the exhibitor. A new feature of the show was table decorations by gardeners' assistants and Hugh Meikle, at the H. M. Brooks estate, was first with a very neat arrangement of Mme. G. Luizet roses. The second went to A. Springett, assistant to Mr. Grey. Mr. Meikle was also the winner in the class for baskets of roses. The main feature of the show and the only one receiving a silver medal, the highest award, was the new Begonia Alice

Manning, a pale yellow of graceful drooping habit. This was exhibited by Paul Valquardson, who also showed other exceptionally well-grown tuberous begonias and gloxinias for which he was awarded a liberal gratuity.

The judges were Richard Gardner, James McLeish, James J. Sullivan, C. D. Stark, Paul Valquardson and Stewart Ritchie, and their decisions were received with general satisfaction. Sergeant-at-Arms Smith filled his usual place assisting exhibitors and maintained well his reputation as being the best worker of the society.

J. R.



JOSEPH HEACOCK.

President of the Florists' Club of Philadelphia.

On July 11th, the next meeting of the club, Mr. Heacock will celebrate his 65th birthday. We wish him many happy returns.

ST. LOUIS FLORIST CLUB.

The event in the history of the Florist Club took place on Wednesday night when the members celebrated its 25th anniversary at Pechmann Hotel with a banquet; 100 invitations had been issued and 63 accepted. A large U-shaped table was spread in the beautiful dining room of the hotel. The room was beautifully decorated with plants and cut flowers. Ex-president Fred Ammann was selected as toastmaster and he was at his best. After a splendid dinner he called upon Mr. Geo. Asmus, president of the S. A. F. and O. H., who responded to a toast, The S. A. F. H. B. Dorner, secretary of the S. A. F. responded to the toast, The S. A. F. Relationship with Florists' Clubs. John M. Connon responded for The Florist Club of the Present Day. Luther Armstrong spoke on the early days of the Florist Club and S. A. F. C. C. Sanders responded for The Retail Florists' Association. E. W. Guy, H. C. Irish and S. Kehrmann also spoke. A band of music was stationed behind a group of palms, who played sweet strains while the members feasted.

HORTICULTURAL SOCIETY OF NEW YORK.

A meeting and exhibition of the Society were held in the Museum Building New York Botanical Garden, on July 1st, the exhibition continuing also over Sunday. July is an uncertain month for an exhibition, but the interest manifested in this one by the good showing of exhibits was very gratifying. The next exhibition will be held in the same place on August 26th and 27th, and will be devoted mainly to gladioli. Schedules will be ready early in August, and will be sent on application to the secretary, George V. Nash, New York Botanical Garden, Bronx Park, New York City.

The following is a list of the awards made on July 1st and 2nd:

Collection of outdoor roses—Scott Bros., first.

Japanese iris—Scott Bros., first; Mrs. F. A. Constable, James Stuart, gard., second. Sweet peas, 6 varieties—H. Darlington, P. W. Popp, gard., first; Mrs. A. M. Booth, E. Fardel, gard., second.

Sweet peas, 100 sprays—H. Darlington, first; Mrs. A. M. Booth, second.

Flowers of herbaceous plants—Mrs. F. A. Constable, first; T. A. Havemeyer, A. Lahodny, gard., second.

Flowers of shrubs and trees—T. A. Havemeyer, first.

Japanese iris, 6 varieties—T. A. Havemeyer, first.

Sweet peas, 3 varieties—H. Darlington, first; T. A. Havemeyer, second.

Special awards—T. A. Havemeyer, sweet peas, special prize; Mrs. F. A. Constable, Liliun candidum, special prize; Wm. Tricker, certificate of merit for Nymphaea Helen Fowler; Wm. Tricker, certificate of merit for Vinca minor aurea; L. S. Livingston, special mention for Romneya Coulteri; Mrs. A. M. Booth, sweet peas, special prize.

The judges were David MacFarlane, James Donlan and Wm. Tricker.

GEORGE V. NASH,

Secretary

YONKERS HORTICULTURAL SOCIETY.

On Wednesday, June 14, a most successful show was held in Hollywood Inn. Roses were a great feature, first prize for a collection going to E. A. McAlpin; gardener J. Woodcock, who staged over ninety varieties. Second to Mrs. J. B. Trevor; gard. H. Nichols. E. A. McAlpin was awarded three firsts for roses, Mrs. Trevor one first and one second, and Mrs. M. E. Sand, gard. T. A. Lee, one second. Mrs. Trevor showed sweet peas in great shape, receiving firsts for every entry. She also won first on vegetables, and S. P. Lillienthol, supt. H. Scott, second. Adolph Lewisohn, supt. J. Canning, showed vegetables of a high standard. S. P. Lillienthol was placed first for a collection of hardy flowers.

The Yonkers Nursery Co. exhibited hardy perennials, notably some fine forms of Delphinium formosum, also palms and standard bays. Julius Roehrs Co. put up one of their dainty orchid exhibits, fine forms of Cattleyas predominating. F. Milliot exhibited roses, gloxinias and Spanish iris, a couple of floral baskets serving as an object lesson in the use of the latter for decorative work. P. Macdonald exhibited ferns and floral baskets, a combination of peonies and gladioli being especially pleasing. Attendance was good, and the show has done

much to foster horticultural interest in
Yonkers. H. M. B.

ROYAL INTERNATIONAL HORTICULTURAL EXHIBITION, LONDON, 1912.

In connection with the above exhibition which will be held next May, in the grounds of the Royal Hospital, Chelsea, His Majesty King George V. has intimated his intention to offer a cup, valued at \$525.00 to be awarded for the best exhibit in the show. Many other valuable cups, medals, and awards offered by the Duke of Portland and others will be included in the vast number of prizes contained in the schedule. Altogether the exhibition promises greatly to exceed in interest and in spectacular effect any show of the kind ever held in any part of the world. There is reason to believe that the exhibition will be opened by the King and Queen on May 22, 1912.

CLUB AND SOCIETY NOTES.

The St. Louis Florist Club will hold its monthly meeting on Thursday afternoon, July 13, at 2 o'clock. The meeting is of importance as the annual nomination of officers takes place then.

Missouri State Vice-President F. H. Weber, of the S. A. F. has sent in a number of names for membership to Secretary Dorner and says he expects quite a few more before convention time. The florists' picnic will give him a good field to work on this month.

The Pacific Coast Nurserymen concluded their annual convention June 23, at San Jose, by the election of the following officers: President, P. A. Dix, Utah; vice-presidents, C. F. Lansing, Oregon; C. H. Smith, Salt Lake City; J. Vallance, San Francisco; Ray Hartley, Idaho; A. W. McDonald, Washington; Charles Trotter, British Columbia, and D. J. Tighe, Montana; secretary-treasurer, C. F. Tonneson, Washington; executive committee, M. D. Soles, Salt Lake City; A. McGill, Oregon, and Leonard Coates, Morgan Hill.

The annual rose show of the New Bedford (Mass.) Horticultural Society was held on June 22, and was the richest display of roses ever seen there. James Garthley of the H. H. Rogers estate, M. H. Walsh of Woods Hole, H. A. Jahn and others were among the principal rose exhibitors. Peonies, nymphaeas, delphiniums and Japan irises were shown in abundance. A. J. Fish was awarded a special silver medal for rose Silver Moon. Honorable mention was accorded the same exhibitor for new dahlia Giant Edelweiss.

The new schedule of the National Chrysanthemum Society of England for 1911 is just to hand, containing accounts for the past year, annual report, rules, list of affiliated societies and members, also prizes offered at the Society's exhibitions. Among the newly appointed honorary members we notice the names of M. Viger, President of the National Horticultural Society of France; M. Albert Truffaut, premier Vice-President of the same society; and M. Maxime de

la Rocheterie, President of the French Chrysanthemum Society. We notice too, that M. Louis Gentil, editor of our Belgian confrere, La Tribune Horticole, has been appointed a corresponding member.

This Society has recently published in a neat little pamphlet of 70 pages the list of the papers read at the Society's recent conference. There is a frontispiece of Sir Albert Rollit, President of the Society, and portraits of Messrs. Norman Davis, W. Higgs, H. J. Jones, R. F. Felton, Thos. Stevenson.

Among the contents is the report on the Paris Show, November, 1910, by C. Harman Payne and awards of the Floral Committee, 1910.

Altogether an interesting and useful addition to chrysanthemum literature, published by the National Chrysanthemum Society and supplied gratis to members.

A NOTABLE CAPE COD ESTATE.

The Committee on Gardens of the Massachusetts Horticultural Society visited recently the interesting estate of Mr. Wilton Lockwood at Orleans, Mass., and were greatly surprised as well as pleased to see what could be done in the line of ornamental gardening on Cape Cod, a section of the state usually regarded as not responsive to horticultural endeavor.

In a hollow among the hills, not far back from the Atlantic shore, Mr. Lockwood has established a garden and produced results well worthy of record. At the bottom of the valley is a small artificial pond well stocked with hardy Nymphaeas and other water plants and bordered by a grassy bank. Around this bank on level ground is a collection of some 300 varieties of peonies, of the choicest kinds and mostly in light colors. Notable among them is the recently introduced pure yellow peony, L'Esperance.

The whole garden up to the base of the surrounding hills is enclosed by a pergola covered on sides and top with numerous varieties of climbing and rambler roses. Particularly noteworthy among them was the Carmine Pillar, which covered a stretch of trellis twenty-five feet in width and presented a magnificent display. Jersey Beauty with large single creamy-white flowers was also conspicuous as well as the Moschata and Dawson. There was also a collection of Hybrid Teas and Perpetuals and among the trees and shrubs a row of the pyramidal oak attracted attention.

All along the roadsides and in grass land around the dwelling houses in the town were masses of the deliciously fragrant Pheasant's Eye Pink (*Dianthus plumarius*). It greatly interested the visitors to see how it has escaped from old gardens on the Cape; it is noticeably abundant in Orleans. There were also frequent patches of the Scotch broom (*Cytisus scoparius*) with its masses of golden flowers and apparently perfectly hardy here, though it is not so in the vicinity of Boston.

BRITISH HORTICULTURE

A Visit to Holland.

The deputation who lately visited the bulb farms in Holland from the Gardeners' Company (a guild of the city of London), were favorably impressed with the places visited. In a report published on their return it was stated that the area of bulb cultivation in Holland is about 11,000 acres. This acreage is steadily increasing, with a consequent continual rise in the value of the land. The increased attention paid to commercial bulb culture in this country apparently has not made a great difference to the Dutch industry. The growers have the advantage of much cheaper labor than is the case in Britain. An opportunity was afforded of studying the system adopted in securing a rotation of crops, also the work carried on by the Netherland Government in dealing with plant diseases and insect pests. In all districts the visitors were very warmly received, the fullest information being readily afforded. It was stated that the bulb industry is in a very healthy condition. About 40 per cent. of the bulbs are shipped to Britain, but the growers are always on the alert for fresh outlets. The trade with the United States and other countries is gradually increasing.

The Coronation "Boom."

The Coronation festivities, now an historic event of the past, proved a profitable time for the nurserymen and florists. Many of the clubs and mansions were beautified with charming arrangements of flowers in window boxes, red, white and blue being the predominant tints. A deputation from the Gardeners' Company waited on Queen Mary at Buckingham Palace on June 19th, and presented her majesty with a choice bouquet of Lady Hermione carnations in a silver gilt basket. The deputation also presented two unnamed carnations—one white and the other pink. Permission was granted for these novelties to be respectively named King George and Queen Mary. Carnations, both Malmaison and Perpetual-flowering, are largely cultivated in the royal gardens at Windsor. The Malmaisons include Princess of Wales, Duchess of Westminster, and Marmion. The comprehensive assortment of perpetual-flowering varieties comprise the leading American and British introductions. These blooms are extensively employed for decorative work in the royal palaces.

W. H. ADSETT.

OBITUARY.

A. B. Lewis.

A. B. Lewis, a prominent florist of Pontiac, Mich., and a very faithful member of the Detroit Florist Club, died on Saturday, July 1, of peritonitis, brought about by diseased kidneys and an abscess on the intestines. Some time ago he was brought to the sanitarium for treatment of nervous troubles from which he had apparently recovered. Under the circumstances his sudden demise was a great shock to his many friends in Detroit and elsewhere, all of whom sympathize sincerely with his family.

THE ROMANCE OF ORCHID HUNTING.

Mr. P. Harvey Middleton has written a very interesting article about Orchid Hunting in the "American Homes and Gardens Magazine." The narrative is very charming, but he has been so grossly misinformed that the whole thing appears to be a "Fairy Tale."

It is a very peculiar circumstance that very few people can write about orchid collecting without letting their wild imaginations work wonders, which they spring on the man who later takes those fibs as truths, and adorns them with his florid language. In the article in question there is a reference to a typical example of the kind of stuff that orchid hunters are made of.

"He had been near death's door with the fevers of the tropics and tropical swamps, he has been robbed and deserted by his guides and left alone to starve in Andean mountain forests, and has been attacked, tormented and all but eaten by hundreds of big, black ants. He has had to fight treacherous guides for his life, and has had escapes too numerous to describe.

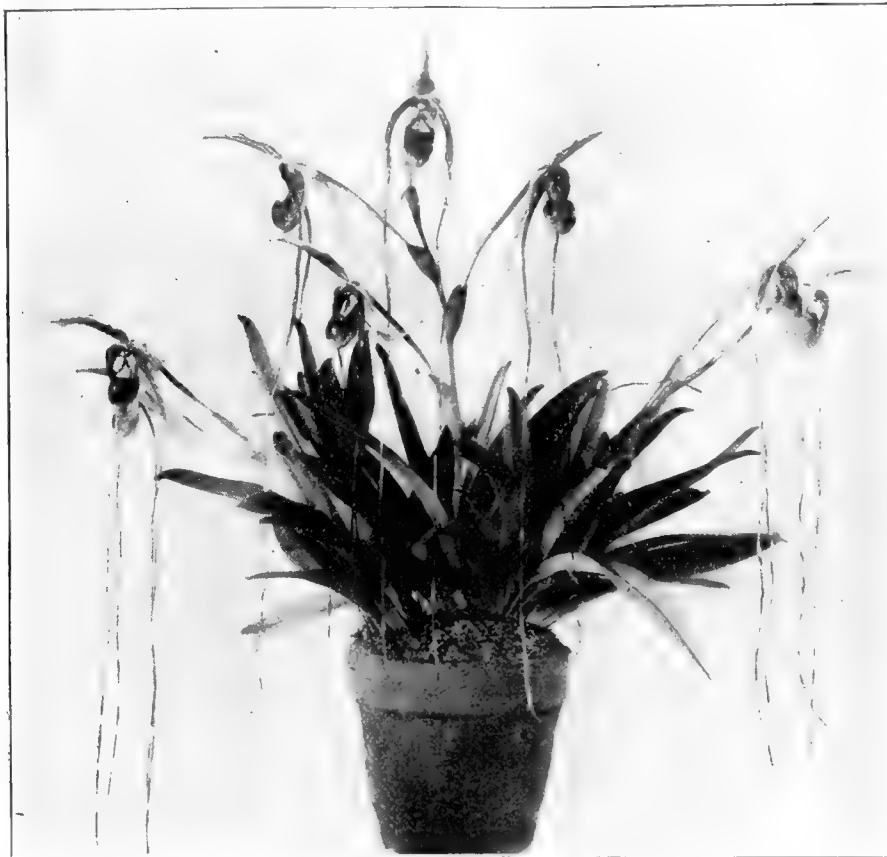
"It was while engaged in hunting Orchids in Colombia for the Philadelphia Orchid Queen that a revolution broke out. Barrault was seized by Colombian soldiers and forced to fight for them. As a Frenchman he had seen military service, and philosophically accepting his fate he led a regiment of the Colombians to battle, and was engaged in seven stiff fights. It was on the last occasion, when the slaughter of his men seemed imminent, that Barrault seized a flag and rallying a handful of soldiers about him charged straight at the line of popping guns ahead. The rest of his regiment (who worshipped their apparently invincible leader) followed excitedly. On they rushed until almost hand to hand with the enemy, when suddenly Barrault staggered and fell severely wounded, and panic seized his followers, who turned and fled.

"And so Barrault, the orchid-hunting soldier, was thrown into prison by the rebels and there left to get well as best he could. Slowly, but surely, his fine constitution pulled him around, and one night about six months later he floored his guard and got away. Two days and nights brought him to the forest, where he knew rare orchids were to be found. Living on roots and herbs that former experience had taught him were good for food, Barrault gradually worked his way through the forest until he came to a lonely village off the track of the opposing armies. Here he secured another set of guides and started off on the trail of a wonderful snow-white orchid which had been graphically described to him by a half naked Indian in the streets of Bogota—"An orchid so big," said the native, clasping hands and rounding arms, "and as white as snow on the mountain tops. I will take you to it."

"Barrault headed an expedition that was fraught with many adventures, to the mountain haunt of the marvellously big flower. Hardly had he started before the first of them occurred. Barrault's saddle-girth broke as his mule was stepping gingerly along a narrow mountain path at the edge of a two-thousand foot precipice, over which the orchid hunter promptly disappeared. He was caught in a tree growing out of the side one hundred feet below, and after his guides, peering cautiously down the chasm, had recovered from their dismay, a rope was lowered and he was hauled back to safety, none the worse except for a few scratches.

"They arrived without further mishap at their destination, two weeks later, and were soon hard at work collecting the orchids, which grew in great profusion. Then swamp fever struck the camp, and one after another the guides fell ill, so that Barrault had to give up his beloved orchids and turn nurse. Then he, too, caught the fever, and was prostrated for days. Some of the guides recovered before he did and taking advantage of his helpless condition, stripped him of his possessions, including the orchids, and left him alone in the forest. In his weakened state it took Barrault a week to work his way out of the dense gloom of the forest, guided to some extent by the almost overgrown path his expedition had hacked through the undergrowth. But at last he

CYPRIPEDIUM CAUDATUM.



We present herewith a picture of a remarkable plant of *Cypripedium caudatum* as in flower now at the conservatories of Mr. Chas. J. Carpenter, New Brunswick, N. J., where Aug. Seeman is gardener. As this lovely cypripedium is becoming practically

extinct in its native habitat, and is consequently very scarce, it is very pleasing to receive a photograph of such a large specimen, showing in every way the cultivator's skill. We are indebted to Lager & Hurrell for the use of the photograph.

reached a cluster of huts and rested for a week. Then, with the determination of a man who never knows when he is beaten, he set to work organizing another expedition. 'It was during this trip,' wrote Barrault, 'that with two guides I stumbled into an army of big, black ants. Before we could escape they swarmed all over us from head to foot. It was half a mile to the nearest forest stream—a half mile covered with dense undergrowth. Frantically we crawled our way to the water, suffering agonies from the bites of the infuriated ants, and when, after what seemed years, we reached the stream's brink, we barely had strength left to fling ourselves into the water.'

"Barrault's heart was still set on the possession of that beautiful snow-white flower. He had the remnant of Mrs. Wilson's gold in belts strapped to his body, and the party had not proceeded far when half a dozen of his redskin followers conspired to kill him in order to secure this money, which he had been forced to show them in order to obtain their services. Just before sunrise on the following morning, he, who was always on the alert for trouble, heard a slight noise outside his tent. Peeping out he saw six of his guides, armed with the long knives they used in heaving their way through the undergrowth, stealthily advancing on the tent. Without waiting a moment Barrault seized the sword he had used to such good purpose in his fight with the rebels, and sprang out. The Indians, although surprised, relied on their superior numbers and returned the orchid hunter's sword-thrusts with murderous lunges of their long knives. Barrault skillfully parried their blows until he had backed up against a huge tree, and then the real fight began. With the dexterity he had acquired in the French army he beat down the guards of the Indians, severely wounded three of them, and put the others to flight."

In the New York Herald of August

16, 1910, the adventures of another one of these collectors were recounted, although they were not as marvelous as those of Mr. Barrault. As a sample we copy the following:

"With a force of forty Indians to cut a path through the dense forest, Mr. Benson, with guides and pack mules, made his way across Colombia from its capital, Bogota, and returned only after many narrow escapes, to say nothing of tribulations that came with the desertion of many of his Indians and the loss of others through death.

"Mr. Benson said that if it had been possible to climb the trees to which the orchids attached themselves, it would have been easy to obtain them, but that climbing was perilous owing to the presence of small poisonous green snakes hidden in the foliage.

"While making his way in a boat up the Carae River, Mr. Benson said his craft was overturned by an alligator, which with its mate made off with one of the Indian guides. Mr. Benson said that he saved the life of one of his Indians who had been bitten by a snake by keeping him walking about for fourteen hours to dispel the lethargy that followed the bite. At another time, when his chief guide had left to obtain more Indians, Mr. Benson got lost in the forest and wandered about for two days without food."

The writer does not believe that either one of the collectors mentioned told the stories as published. Some reporter let his mind wander and manufactured tales that went into print. If they ever heard these stories and contradicted them is something that I do not know of. If the wonderful exploits would refer only to green or blue snakes, tremendous precipices,



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This mixture contains all the finest Giant strains—of the leading Pansy Specialists in the world—the Giant self-colors, the Giant striped and margined, and the Giant blotched, etc., all carefully mixed in proportion—the finest that money can buy—the finest your money can buy. A florist who has grown it said, "Why don't you call it Defiance?"

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PANSY SEED TIME

Choice Varieties of Giant Pansies

	Trade pkt.	1/4 oz.	Oz.
Giant Trimardeau. Improved mammoth-flowering in good range of color.....	\$0.15	\$0.50	\$1.50
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Cassier's Giant. A fine strain of large highly colored flowers.....	.15	.85	3.00
Giant Bugnot's Stained. Exhibition. Extra choice flowers, large and plenty of light colors50		
Giant Madame Perret. A recent introduction, by a celebrated French specialist; of strong, free growth. Especially rich in red shades.....	.15	.85	3.00
Giant Fire King. Brilliant reddish yellow, with large brown eyes.....	\$0.25	\$1.00	\$3.00
Giant Lord Beaconsfield. Deep purple violet, top petals light blue.....	.15	.50	1.50
Giant Canary Bird. A five-spotted yellow variety. Ground color, is a deep golden yellow and each petal is marked with a dark blotch .....	.15	.85	3.00
Giant Orchideiflora, or Orchid-flowered Pansy. Splendid variety. Beautiful shades of pink, lilac, orange, rose, terra cotta, chamoise, etc .....	.25	1.25	4.00
Giant Emperor William. Ultramarine blue, purple eye .....	.10	.50	1.50
Giant Golden Queen. Bright yellow, no eye.....	.15	.60	2.00
Giant Golden Yellow. Yellow, brown eye.....	.25	.75	2.50
Giant King of the Blacks (Faust). Black.....	.15	.60	2.00
Giant President McKinley. Golden yellow, large dark blotch.....	.15	.85	3.00
Giant Prince Bismarck. Yellowish bronze, dark eye .....	.25	.75	2.50
Giant Rosy Lilac......	.15	.60	2.00
Giant Pretiosa. Crimson-rose, white margin, violet blotch.....	.15	.60	2.00
Giant White. Violet spot, the largest white.....	.10	.50	1.50

ARTHUR T. BODDINGTON, Seedsman, 342 West 14th St., NEW YORK

dense undergrowth, armies of black ants, swamp fevers, and pitched battles of one hero against a lot of Indians, the stories would not be harmful, and, except for their inaccuracy they would seem interesting. But when the collectors wilfully and maliciously slander the natives as "thieves and assassins," it is time to put a stop to such talk.

In no country on the face of the earth is property more respected and life more secure, than in the countries where these collectors go. There is as much danger of snakes and other animals there as there is in any place in Jersey and New York, and the climate where the commercial orchids grow and are collected is far better than any climate in the north and simply delicious.

It is peculiar that all the "green collectors," or the new starters are the manufacturers of these wonderful stories. We have not seen men like Lager, Bungereth, Forget and other collectors of their calibre tell stories of the kind we have read as told above.

It is well for all to know that orchid-collecting is not such a dangerous undertaking; that heroes are not forced to take arms and fight the rebels in any country, and that they only do it in dreams; that it is very seldom that a man can see a snake; that orchids do not grow in the jungle or in deleterious climates; that the natives do not rob the collectors in any way, and that they are as honest as the collectors themselves. That no collectors

go into the forests to gather the plants except the natives; that the armies of dangerous black ants are the products of feverish imagination, and that the search for the "Snow-white Orchid," is nothing but one of the pretty little fibs given to ignorant readers.

I will take later on the description of orchid-collecting as it is done, and meanwhile I hope that the collectors will endeavor to give true accounts of their experiences, and especially to be careful about slandering the natives from whom they receive so many favors and who work so faithfully for them.

A COLLECTOR.

GLADIOLUS PINK BEAUTY.

This gladiolus may be said to be the first of an entirely new type. It is a large-flowered variety, blooming at the same time as The Bride and others of that section, and it may be expected to find great favor where an early display is wanted. The introducer is Mr. P. Vos, of Haarlem, Holland, at whose request I grew a number of bulbs in the garden here, he being desirous of testing its early-flowering qualities in Scotland. It has also been successfully tried in various parts of England, so that there is no doubt about its earliness. Planted with Childsii, Lemoine's hybrids and named varieties of the Gandavensis type during the last week of March, Pink Beauty bloomed seven weeks in advance of any of the others.—Thomas Hay in "The Garden," London.

PUBLICATIONS RECEIVED.

Plant Physiology, B. M. Duggar. Edited by L. H. Bailey. This is one of the "Rural Text Book Series," published by the MacMillan Company. This book is intended primarily for the student, but will be found useful by everyone engaged in any department of horticulture, affording the gardener the means of answering the many "whys" for much of the cultural phenomena which are constantly recurring and which he up to the present time has dealt with by imitation, rule of thumb or chance experiment. The time has now come when the educated horticulturist will be the most successful horticulturist, when scientific knowledge added to practical experience will be the gauge of the well-equipped culturist in any and all lines. The student in our agricultural colleges is getting this broad foundation so necessary to prepare him for the demands of the future. Dr. Duggar has given in the book under notice a big forward impulse to the study of plant physiology. The subject is treated in minutest detail and in the most lucid manner. There are over 500 pages and numerous illustrations. The price of the book is \$1.60 net, and we would most confidently recommend it to any gardener who aspires to advance in the knowledge of the fundamental principles of his calling.

During Recess

New York Florists' Club Outing.

A beautiful clear day, refreshing ocean breezes and a company of about 250 jovial picnickers all conspired to make the eleventh annual outing of the New York Florists' Club, June 28, a pronounced success. To this another factor may be added—the efficient manner in which the management of Witzel's Point Grove catered to the inner man. A pleasant trip down the harbor preceded the landing at the picnic grove. At the table when all were seated, President J. B. Nugent made a few brief and pertinent remarks of welcome and congratulation.

The sports were as usual a center of interest for old and young, and there were many of the latter in the company full of ambition to compete and win some of the tempting prizes listed in the program.

The Games.

Coupon prize, for first three numbers of tickets drawn—first, \$3, second, \$2, third, \$1: 1, Frank Traendly; 2, R. Wittman; 3, R. Karlstrom.

Ladies' bowling: 1, Miss A. Birnie; 2, Miss Middleton; 3, Mrs. Miesem; 4, Mrs. L. Schmutz, Jr.; 5, Mrs. Donaldson; 6, Mrs. B. Chadwick; 7, Mrs. L. Schmutz, Sr.; 8, Mrs. E. Wittman; 9, Mrs. Traendly.

Baseball, Benedicts vs. Bachelors—won by the Bachelors, score 4 to 0.

Children's race, 5 to 7 years, 35 yds.: 1, Genevieve Einsman; 2, Ethel Bettner; 3, William Miller; 4, Alfred Schmutz; 5, Chas. A. Traendly; 6, Dorothy Bolles; 7, Anna Karlstrom.

Girls' race, 7 to 9 years, 75 yds.: 1, Katherine Miesem; 2, Margaret Salkind; 3, Gertrude Schimmel.

Boys' race, 7 to 9 years, 75 yds.: 1, Chas. Miesem; 2, Jos. Wolter; 3, Ira Friedberg.

Girls' race, 10 years to 12 years, 90 yds.: 1, Barbara Miesem; 2, Louise Landon; 3, Eloise Schmutz.

Boys' race, 10 to 12 years, 90 yds.: 1, Edwin Einsman; 2, Laurence Einsman; 3, Geo. Wolter.

Young ladies' race, 13 to 15 years, 100 yds.: 1, Anna Miesem; 2, Olive Her; 3, Alice Wolter; 4, Margaret Weber; 5, Maria Thorne.

Boys' race (shoe race) 13 to 16 years: 1, William Manda; 2, Chas. Bogart; 3, Geo. Wolter; 4, Laurence Einsman.

Boys' race, 16 to 19 years, 150 yds.: 1, Philip Wolter; 2, Samuel A. Mills; 3, Edw. Manda; 4, Chas. Bogart.

Young men's race, 19 to 21 years, ¼-mile: 1, Geo. Gardner; 2, A. Weston; 3, Edw. Manda; 4, Frank Manker.

Young ladies' race, 16 to 20 years, 50 yds.: 1, Dora Strehle; 2, Annie Birnie; 3, Jeanie Birnie.

Special race, 100 yds., by request, C. W. Scott vs. John Miesem—won by John Miesem.

Men's pipe race, 25 years or over, changed by the committee to fit men's race: 1, Jos. Manda; 2, B. Jacobus; 3, Jacob Dreiser.

Married ladies' race: Mrs. A. P. Cain; 2, Mrs. A. G. Handel; 3, Mrs. Frances Salkind; 4, Mrs. H. Hornecker.

Married ladies' needle race: 1, Mrs. A. P. Cain; 2, Mrs. Wm. Ebert; 3, Mrs. Frances Salkind.

Growers race, open, 100 yds.: 1, Walter Schachtel; 2, Alex. Donaldson; 3, Anthony Pomper; 4, A. L. Miller.

Three-legged race: 1, Samuel Mills and Paul Rigo; 2, Edw. Manda and A. S. Handel.

Sack race: 1, Edw. Manda; 2, Walter Schachtel; 3, Chas. Bogart.

Peanut race, children under 10 years: 1, Ira Friedberg; 2, Chas. Miesem; 3, Chas. A. Traendly.

Growers' race (cut flowers only) 100 yds.: 1, Jos. Manda; 2, Alex. Donaldson.

Men's race, open, 60 yds.: 1, Philip Wolter.

Seedsmen's race, 100 yds.: 1, Edw. Boylan; 2, Otto Kronmuller; 3, Alfred Rickards.

Gentlemen's bowling: 1, Mr. Rovatzos; 2, Mr. Miller; 3, Mr. Wittman; 4, Frank H. Traendly; 5, Mr. Turner.

Running hop, skip and jump open to

men only: 1, Walter Schachtel; 2, Andrew Scott.

Elephant race: 1, Samuel Mills and Geo. Gardner; 2, Edw. Manda and Walter Schachtel; 3, J. H. King and A. G. Handel.

Special prize for largest family present—won by Mrs. Einsman's family.

Special prize for handsomest lady—Mrs. Holt, Sr. Also for handsomest baby under two years old, a prize to each as follows: John C. Donaldson, James Kessler, Andrew J. Handel and Gladys Manker.

Watermelon seed guessing the number of seeds contained in the melon proved to be 1121—1, Alfred Schmutz, guess, 1111; 2, Chas. Traendly, guess, 1110; 3, Chas. Lorenz, guess, 1100; 4, R. Wittman and A. C. Scott, guess, 1150.

After the games were finished dinner was served and the prizes were there distributed by President Nugent.

The outing committee was composed of Jos. S. Fenrich, chairman, Robert Young, secretary, A. H. Langjahr, treasurer, C. W. Scott, S. S. Butterfield, R. M. Schultz, B. Chadwick, John Donaldson and William Kessler.

Baseball at Philadelphia.

In one of the most interesting games ever played at Ardmore, Pa., the William Henry Maule Company's baseball team succeeded in defeating the Henry F. Michell Company's team by the score of 5 to 4. The game was full of sensational plays on both sides, which brought the spectators to their feet time and again.

A crowd of people witnessed the struggle for supremacy of the Seed League, which promises to be an interesting race before the end of the season.

Next Saturday, July 8th, Henry F. Michell Company's team plays Henry A. Dreer's, Inc., team at Riverton, N. J. The boys of both teams are practicing every day and a tight game is expected.

The score of Saturday's game is as follows:

	1	2	3	4	5	6	7	8	9	H	R	E
Maule,	3	1	0	1	0	0	0	0	11	5	4	
Michell,	0	0	0	2	0	0	0	1	1	4	4	2

An Interesting Fishing Trip.

A fishing party consisting of James E. Jones, Proprietor of the Advance Co., his son, Raymond, Fred H. Lemon, proprietor of the Fred H. Lemon Co., florists, Indianapolis, Ind., and two other local friends motored to Colon, Mich., on June 23rd. The trip was made on a very warm day and some tire trouble was experienced. Mr. Lemon, standing 6 feet 2 inches, wearing borrowed clothes for a fishing costume, represented a typical Ichabod Crane. Regardless of this, his fine disposition and comical jokes kept the party in a merry condition at all times. Several fine fish were caught by the party including a "billfish" or "gaarf" which was 42 inches long. The rushed condition of the two firms above mentioned shortened the stay of the party and the return was made on the 27th without incident.

Chicago Bowling.

Scores June 22, 1911:

J. Huebner	160	179	171
J. Stevens	213	257	197
A. Huebner	178	122	149
Mrs. Asmus	111	122	
W. Lorman	153	166	156
Schlossman	145	138	126
A. Zeck	211	136	166
W. Graff	141	171	156
T. Vogel	156	192	114
J. Zeck	180	192	184

Extreme hot weather has made attendance lighter than usual and vacations are also cutting into the ranks of the bowlers.

¶The value of clay for pottery is not based on the mere cost of delivering the clay at a certain place, but on the quality of pottery, which, in the hands of artists, can be produced by that particular clay. Both material and art are necessary to create the ultimate value—one is dependent upon the other. So with lily bulbs, you must have good bulbs and be a flowering artist to evolve from them all they will produce. Bad bulbs are the most costly to buy because of the lost time, space, expense and effort wasted and then no returns, so how foolish it really is to buy bulbs because they are cheap—that's when you should be suspicious of them. Get good bulbs—base your costs on the average flower production and don't take chances on cheap bulbs, for one dose of bad bulbs will more than offset the additional cost of better bulbs for perhaps ten years. Horseshoe Brand Cold Storage Giganteum ready for delivery now or later—fully matured December 19.0 bulbs—the best produced. Prices sufficient to allow us a reasonable profit only. Write for them.



Ralph M. Ward & Co.

**12 West Broadway
NEW YORK CITY**

Not How Cheap
But How Good

Bamboo Canes, Cold Storage Giganteum, Formosum, Magnificum, and Auratum ready for delivery now or later.

Seed Trade

Chicago, Ill.—By taking in No. 226 West Kinzie street, the Leonard Seed Co. has added about 15,000 square feet.

Philadelphia, Pa.—The Moore Seed Co. is moving into its large store at 125 Market street.

San Francisco, Cal.—The Trumbull Seed Co. has opened a store at 259 Market street.

Richmond Hill, N. Y.—A retail florist branch has been added to the seed business of Carter & Son.

Baltimore, Md.—The Frederick Weiseman Seed Co. and Robinson Bros. are two new seed houses to be established here.

New Ulm, Minn.—F. W. Kosek is now manager for the Minnesota Seed Co. He was formerly with the Farmers' Seed and Nursery Co., Fairbault, Minn.

Memphis, Tenn.—The United States Seed Co. has established a branch office at Front street and Gayoso avenue. Charles Jackson of Fredonia has been appointed manager.

Langdon, No. Dak.—Specifications are out for a new seed building to be erected here. It will be much the same as the seed building at the agricultural college.

Jackson, Mich.—The American Seeding Co. lost several carloads of farm machinery on June 27 by a fire which totally destroyed the big building of the Storage and Transfer Co., where it was stored.

Chicago, Ill.—The W. W. Barnard Co. have leased the stores at 231-233-235 W. Madison street, Chicago, and will move from their present quarters on Fifth avenue, January 1st, 1912. This will give them a much larger place and a better opportunity for handling their increasing retail business.

Howard M. Earl, manager for W. Atlee Burpee & Co., arrived home from his crop inspection tour of the 22nd ulto. The journey extended as far as the Pacific coast, and was a strenuous eighteen-day flying trip. We hope to get a line on how crops are looking, and what the prospects are—when he gets his breath. This will be of much interest to the seed trade—coming from a keen observer and one representing big things in seed growing and distribution.

Little Ads Bring Big Returns

Little ads in our Classified Columns bring big returns to both advertiser and purchaser.

Anything that can be sold to florists, gardeners, park and cemetery superintendents, etc., can be sold through this medium in this department, and at very small cost.

Don't fail to read them each issue, for you will find one or more that will prove profitable to you.

They Cost Only One Cent a Word Undisplayed

RHODODENDRONS AT REGENT'S PARK.

What is claimed to be the largest flower show made by any one firm in the world was held during the month of June in a shady dell covered with a huge ridge and furrow tent in the garden of the Royal Botanical Society, Regent's Park, London, by the well known firm of John Waterer & Sons of Bagshot, Surrey, specialists in American plants. This imposing annual display has been made by that firm in the same place for many years past.

It is an ideal spot, chosen with a view to the picturesque, and our best compliments must be offered to the firm on the marvellous artistic taste displayed, somewhat a rarity amongst English horticultural exhibitors. The area covered is something like half an acre.

We are about to proceed to make our notes and wander round the show on our own sweet way when a courteous attendant offers to place himself at our disposal. The mere mention that we are taking notes for HORTICULTURE of Boston, U. S. A., is sufficient to arouse his interest and to point out all that is newest and best in the vast agglomeration of beauty and color effect. We learn from him that there are approximately 3000 plants in the show, and that these comprise about 120 varieties. There would seem to be an increasing section of the flower-loving fraternity devoting their attention to the plant and small amateurs in and around our great cities are using the rhododendron much more freely than formerly, leaving aside aucubas, privets and other evergreen shrubs once so much the fashion.

It would be practically impossible to note all the many varieties that form the bulk of this important display, but passing along the outer border we notice at intervals some very attractive plants of Mrs. Tritton, crimson, light centre. Gloriosum, bluish white, Sappho, white heavily spotted, Baroness H. Schroder, white spotted, Mrs. Holford salmon crimson, Mrs. John Waterer, rosy crimson, Album Grandiflorum, white, Everestianum, rose lilac, Concessum light centre margined rose. Pink Pearl, seen in several fine examples is most attractive. Gomer Waterer white, slightly blushed, Prometheus, crimson, Stella, pale lilac, spotted, John Henry Agnew pale bluish, chocolate spots, Frederick Waterer fiery crimson, Michael Waterer scarlet crimson and Princess Hortense, lilac rose are all noted as fine samples that will maintain the best traditions of the firm. We pass rapidly in review in the various beds and groupings others that can only be just briefly mentioned and of which a special note was taken, viz.: Charlie Waterer, Strategist, Mrs. John Penn, Mme. Carvalho, Minnie, Lady Eleanor Cathcart, B. de Bruin, Mrs. John Clutton, J. Marshall Brooks, Mrs. Holford, Lady Clementine Walsh, Helen Waterer, Mrs. Britton, Countess of Tankerville and numerous others.

We can only briefly add a few notes concerning the remainder. A pretty bed further on contains a number of plants of Kalmia latifolia; another bed close by is composed of Viburnum plicatum, Japanese maples and azaleas.

Then we pass on to several more large and well filled beds of rhododendrons.

Altogether the show is an eminently successful one and does great honor to the firm that has organized it especially considering that only a few days previously they made a fine display at the Royal Horticultural Society's Hall of a similar character. In fact they filled the hall from May 30 to June 2nd with a similar kind of show entirely on their own account.

SOME INDUSTRIOUS BOYS.

There is an innovation in the Syracuse Park Department that might be followed with advantage by other cities. Two years ago some of the manly and independent high school boys asked the Superintendent of Parks, David Campbell, for work on the parks. After some consideration he consented to give some a trial, and gave them to understand there were no soft snaps, that they would have only rough hard work to do. He was agreeably surprised to find they made good. This year over eighty are employed, shoveling soil, digging, hoeing, raking and the like. One can see doctors', lawyers' and other professional men's sons with overalls and jumpers on working like good fellows—they do men's work and get men's pay. This roughing it will do them a vast amount of lasting good.

Freesias

FIRST SIZE:

75c., 100; \$6.50, 1000

WM. ELLIOTT & SONS,
42 Vesey St., New York

VEGETABLE PLANTS

CABBAGE, Wakefield, All Head, Succession, and other varieties, \$1.00 per 1000; 10,000 and over, @85c. per 1000.
LETTUCE, Grand Rapids, Big Boston, Boston Market and Tennis Ball, \$1.00 per 1000; 10,000 and over, @85c. per 1000.
BEEF, Crosby, Egyptian and Eclipse, \$1.25 per 1000.

Cash With Order

R. VINCENT, JR. & SONS CO., WHITE MARSH, MD.

Golden Self-Blanching Celery

White Plume, Giant Pascal transplanted plants, \$2.75 per thousand. Untransplanted plants, \$1.00 per thousand.

FOX HALL FARM
NORFOLK, VA.

COLDWELL LAWN MOWERS

Hand—Horse—Motor

Known All Over the World

Catalogue on Request.

NEWBURGH, N. Y.

MYOSOTIS "RUTH FISHER"

The finest "Forget-me-not" for florist use, very dwarf and compact, literally covered with bright blue flowers of immense size.

Trade Packet 50 cts.

HENRY F. MICHELL CO.

518 Market St., PHILADELPHIA.

**TURNIP SEED
BEANS**

For immediate delivery

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

Wholesale
SEED GROWERS AND DEALERS

Florists and Seedsmen Sell Your Own Scratch or Poultry Food

We will make it for you under your own brand for
\$28.00 PER TON

Send to-day for sample 100 lb. bag, \$1.50. Mr. C. E. Jensen of Atlantic Co., N. J., on Oct. 27, 1910, writes as follows: — I want to state that your three grades of Poultry Food; Chick Starter, Developing Food and "Square Deal" Scratch or Poultry Food stands without an equal to day. They are perfect mixtures and sound in grain and a pleasure to handle.

J. BOLGIANO & SON,
Importers and Wholesalers. Established for 92 Years.
BALTIMORE, - MD.

FINEST FLORISTS' SEEDS

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

Import Bulb List

Well Worth Reading
SEND FOR A COPY

The W. W. Barnard Co.
108-110 W. Kinzie St., CHICAGO

BRIDGEMAN'S SEED WAREHOUSE
RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

Headquarters for

SPRING BULBS

Send for True List

John Lewis Childs

Flowerfield - LONG ISLAND, N.Y.



SEEDS, PLANTS, BULBS

All seasonable kinds of best quality.

Special prices on large lots

JAMES VICK'S SONS,

Seedsmen

ROCHESTER, N. Y.

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

In ordering goods please add "I saw it in HORTICULTURE."

Farquhar's Flower Seeds for The Florist

Write for our Wholesale Catalogue

R. & J. FARQUHAR & CO.
Boston, Mass.

Established 1820

Thorburn's Seeds

Asparagus Plumosus Nanus

New Crop Just Received

We offer while unsold as follows:

1,000 seeds	\$2.50.
5,000 seeds and up @	\$2.25 per 1000
10,000 seeds and up @	2.00 per 1000
20,000 seeds and up @	1.75 per 1000

Cold Storage Lily of the Valley Pips

HIGHEST GRADE

Cases of 1000 pips @	\$13.00 per case
Cases of 3000 pips @	36.00 per case

J. M. THORBURN & CO.

33 Barclay Street
NEW YORK

CHOICE SEEDS

FOR PRESENT PLANTING
Stocks, Asters, Chinese Primulas, etc.

THOMAS J. GREY CO.
32 South Market Street, Boston, Mass.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale Trade Only.

SAN JOSE, CALIF.

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Aldine 880. Aldine 881. Aldine 882.

SAMUEL MURRAY

Kansas City, Mo.

913 Grand Ave.

All Orders Given Prompt and Careful Attention



WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of
TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP

96 Yonge St., - - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE
Pres.

DENVER, COLORADO

**WILLIAM L. ROCK
FLOWER CO.**

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.

Members Florists' Telegraph Assn.

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

Grand Haven, Mich.—Peter Lubin
has closed his store on Washington
avenue and gone to Newcastle, Ind.

Philadelphia, Pa.—Charles Schuck
has retired from the firm of C. Schuck
& Bro., and the partnership has been
dissolved. William Schuck will carry
on the business.

Detroit, Mich.—The building fever
seems to have struck local retailers
and The Bomb Floral Co. is the next
in line to move into temporary quar-
ters until the new flower emporium
at the old location has been built.

Alexandria, Va.—A balloon from
a carnival celebration here crashed
through the greenhouse of D. J. Grill-
bortzer doing damage estimated at
\$250. Mr. Grillbortzer attached the
property of the carnival company to
insure payment.

STEAMER DEPARTURES

American.

St. Louis, N. Y.—Southampton, July 15

Anchor.

Columbia, N. Y.—Glasgow, July 15

Atlantic Transport.

Minnetonka, N. Y.—London, July 15

Cunard.

Carmania, N. Y.—Liverpool, July 12

Hamburg-American.

Amerika, N. Y.—Hamburg, July 15

Holland.

Potsdam, N. Y.—Rotterdam, July 11

N. Amsterdam, N. Y.—Rotterdam, July 18

North German Lloyd.

K. Wilhelm II, N. Y.—Bremen, July 11

G. Washington, N. Y.—Bremen, July 13

K. W. der Giese, N. Y.—Bremen, July 18

Red Star.

Lapland, N. Y.—Antwerp, July 15

White Star.

Adriatic, N. Y.—Southampton, July 12

Arabic, N. Y.—Liverpool, July 15

Baltic, N. Y.—Liverpool, July 15

Romanic, Boston-Liverpool, July 15

Zeeland, Boston-Liverpool, July 18

AN IMPORTANT LEGAL DECISION.

The circuit court has affirmed the
verdict and judgment for \$1,065 given
George & Allan, florists, Hyde Park,
Cincinnati, against the city as compen-
sation for loss and damage to plants.
In December, 1908, there was a break
in one of the mains near George &
Allan's greenhouses, and instead of
turning off the water from the broken
main the water was turned off from all
the mains in the neighborhood, and,
as a result, both of the sources of
George & Allan's water supply to their
greenhouses were cut off. Because of
being thus deprived of water the
florists were unable to maintain steam
heat for their greenhouses, and, in
consequence many of their plants and
flowers were destroyed.

NEW FLOWER STORES.

Omaha, Neb.—William J. Sanders,
Loyal block.

Hastings-on-Hudson, N. Y.—G.
Lionel.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any
part of the United States, Canada, and
all principal cities of Europe. Orders
transferred or intrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill

Cable Address, ALEXCONNELL

NEW YORK

Orders for Steamer, Theatre, Hotel, or
Residence Carefully Filled.

Wm. H. LONG

412 Columbus Ave.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspond-
ents in all the large cities of Europe and the British
Colonies. Telegraph and Cable address, Dardspier

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points,
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

MATTHEWS The
FLORIST

DAYTON, OHIO.

Is elegantly equipped to take care prop-
erly of all orders for flowers entrusted
to him night or day.

For Dayton, Ohio and Vicinity

"THE HOME OF FLOWERS"

The largest cut flower store in America.
Orders for the TWIN CITIES and for all
Northwestern points given prompt at-
tention.

HOLM & OLSON, Incorporated

ST. PAUL, MINN.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN
194 Boylston Street, Boston

**LOUISVILLE, KY.
JACOB SCHULZ,**
580 South Fourth Ave.

MANY ARE TAKING ADVANTAGE OF OUR PRE-INVENTORY SALE

Good from June 21st to August 15th

WE are making less than cost prices to reduce the expense of inventory and to make room for our new fall goods. Nothing will be sent out that is not first class stock and in perfect condition. Send for price list of stock.

E. H. HUNT, 131 N. Wabash Avenue, Chicago

CHICAGO NOTES.

Trade Items.

E. C. Amling asserts that White Killarney has supplanted Kaiserin, in his experience, and that in the near future a red Killarney will take the place of Richmond.

C. H. Ketcham of South Haven, Mich., who specializes in gladioli, is sending some fine stock to Chicago. His America were excellent and cut with four-foot stems.

All the wholesale houses are now closing at 5 p. m., as is their practice during July and August. Here is where they are the envy of the retailers, many of whom must keep open shop till 10 p. m.

The green and white windows are the most popular now and it certainly is a pleasure to the passersby to stop and look at them. Even the suggestion of coolness is appreciated by

pedestrians when the thermometer is near the hundred mark for days.

A large sign over the entrance to 176 Michigan avenue announces the opening of the Chicago Flower Growers' Association for the 15th of July and the building is being put in readiness. Two of the four stories will be occupied by the new firm and the others rented for the present. A wholesale florists' sign looks unusual on Michigan avenue, but the building is really very close to the old district, an alley only, separating it from the J. A. Budlong place.

Frank Oechslein, 4911 W. Quincy street, who grows plants for the wholesale trade, is fast getting his new range of six houses into shape. It will make a fine addition to his already fine place. A new office is also under construction and will greatly facilitate the handling of orders, etc. Over 4000 square feet of cement walk have been laid, the parkways have been planted to bedding stock and other general improvements made. The new range is constructed of cement walls with pipe frame. The Foley Manufacturing Co. furnished the rafters and gutters. A No. 12 Kroeschell boiler will complete the equipment.

Personal.

Phil Schup and family are at their summer home at Lake Geneva.

Nick Miller is able to take up his work again after being off duty for a month with a disabled shoulder caused by a fall from a ladder.

A Lange and family will start for the west July 10th. On account of the hot weather Mr. Lange has given up California and will make Colorado Springs his headquarters.

A. J. Simmons of 63rd street is rapidly regaining his health and is anticipating an outing with the National Guards, of which he is a member, at the state encampment.

Martha Gunderberg reports her mother as doing nicely though it is still too early to tell whether the cuts made by broken glass will leave permanent scars. Mrs. Gunderberg was on the Milwaukee car coming from the Saengerfest and reported last week as seriously injured.

Jack Byers, who left a week ago for a motor boat cruise on Lake Michigan, had a very narrow escape from drowning. The little boat met with a very rough sea and the engine broke just as she was going into the harbor. Had this happened outside it is extremely doubtful if the occupants of

the boat could have reached shore.

Mrs. Joseph Brooks of Morton Grove came very near being a victim to premature celebration of July 4th. While the family was sitting on the lawn Sunday evening a falling rocket stick passed through Mrs. Brooks' hair just grazing her head. It fell with great force and would have caused injury and possible death had it struck her squarely on the head.

Visitor—C. C. Sanders, St. Louis, Mo. Philip Breitmeyer, Detroit, Mich.

NEWS NOTES.

Cumberland, Ind.—A cold storage plant is being built here by the Smith & Young Co.

Haverhill, Mass.—The partnership of Leith & McDonald has been dissolved. Frank Leith will continue the business.

Riverside, Cal.—F. D. Mear has sold his half interest in the Riverside Nursery to E. M. Syp of the firm of Syp & Hendricks.

Atlantic City, N. J.—A partnership has been formed between Walsh & Burns, who will do a business in shrubs, plants, gardening, etc., at 415 North Illinois avenue.

Baldwinsville, N. Y.—The dwelling and greenhouse of Mrs. Thos. Emerick has been purchased by S. C. Baker, formerly of Baker & Son. He will continue growing a general line of stock.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Amsterdam, N. Y.—Hatcher.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edw. MacMulkin, 194 Boylston St.

Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.

Buffalo, N. Y.—Palmer's 304 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.

Dayton, O.—Matthews, The Florist.
Denver, Col.—Park Floral Co., 1643 B'way.

Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.

Kansas City, Mo.—Samuel Murray, 912 Grand Ave.

Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.

Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.

New York—David Clarke's Sons, 2139-2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—W. H. Long, 412 Columbus Av.

New York—Young & Nugent, 42 W. 28th.

New York—Dards, N. E. cor. 44th St. and Madison Ave.

St. Paul, Minn.—Holm & Olson.

Toronto, Can.—J. H. Dunlop, 96 Yonge St.

Washington, D. C.—Gude Bros., 1214 F St.

Wellesley, Mass.—Tailby.

THE Florists' Supply House of America

H. BAYERSDORFER & CO.
1129 Arch St., Philadelphia, Pa.

Hatcher

Estab. 1877

LEADING FLORIST

Amsterdam, N. Y.

Schenectady, N. Y.

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points to

THOS. F. GALVIN

124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN

1 Park St., Boston

WELLESLEY COLLEGE

Bass Hall, Walnut Hill and Rockridge Hall
Schools. TAILBY, Wellesley, Mass.
Tel. Wellesley 44-1 and 2. Night 44-3

DURING THE HOT MONTHS

We have of exceptional good quality

Easter Lilies, per 100.....	\$10.00
Valley, per 100.....	3.00-4.00
Sweet Peas, per 100.....	50-1.00
Maryland Roses, per 100.....	3.00-8.00
Kaiserin Roses, per 100.....	3.00-8.00
Dagger Ferns, extra quality, per 1000...	1.50

Business Hours 7 A. M.-6 P. M.

The Leo Niessen Co.
1200 Arch Street, - PHILADELPHIA, PA.

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IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

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FOR THOSE
FLORIST'S MADE
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Boston Florist Letter Co

66 PEARL ST., BOSTON

N. F. McCarthy, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock.

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MANUFACTURERS
PHILADELPHIA, PA.

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

33-36-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

George B. Hart

WHOLESALE
FLORIST

24 Stone St., Rochester, N. Y.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention to shipping orders. Jobbers of Florists' Supplies, Seeds and Bulbs. Price list on application.

Phone Main 584. 316 Walnut St., Cincinnati, O.

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	BOSTON July 6	CHICAGO June 27	ST. LOUIS July 3	PHILA. July 3
Ara. Beauty, Fancy and Special..	15.00 to 25.00	..... to 25.00	20.00 to 25.00	15.00 to 25.00
" Extra.....	12.00 to 15.00	20.00 to 25.00	12.00 to 18.00	10.00 to 12.00
" No. 1.....	8.00 to 10.00	10.00 to 20.00	6.00 to 8.00	6.00 to 8.00
" Lower grades.....	2.00 to 4.00	5.00 to 8.00	4.00 to 5.00	3.00 to 5.00
Richmond Chateaux, Fancy & Spl..	4.00 to 8.00	5.00 to 8.00	6.00 to 8.00	4.00 to 6.00
" Lower grades.....	1.00 to 2.00	2.00 to 4.00	3.00 to 4.00	2.00 to 3.00
Killarney, Maryland, Fan. & Spl..	4.00 to 10.00	5.00 to 8.00	6.00 to 8.00	5.00 to 6.00
" Lower grades.....	1.00 to 2.00	2.00 to 4.00	3.00 to 4.00	2.00 to 3.00
Bride, 'Maid, F. & S.....	4.00 to 5.00	5.00 to 8.00	3.00 to 4.00	4.00 to 6.00
" Lower grades.....	.75 to 1.00	2.00 to 4.00	1.00 to 2.00	3.00 to 4.00
Kaiserin, Carnot,.....	6.00 to 12.00	6.00 to 8.00	3.00 to 6.00	3.00 to 8.00
CARNATIONS, First Quality..	.75 to 1.00	1.00 to 2.00	1.50 to 2.00	2.00 to 3.00
Ordinary.....	.50 to .75	..... to .....	.50 to 1.00	.75 to 1.00
MISCELLANEOUS				
Cattleyas.....	40.00 to 50.00	30.00 to 50.00	..... to	40.00 to 60.00
Lilies, Longiflorum.....	4.00 to 8.00	6.00 to 10.00	8.00 to 10.00	8.00 to 10.00
Lily of the valley.....	1.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Gladioli.....	3.00 to 5.00	..... to	6.00 to 10.00	6.00 to 8.00
Stocks.....	1.00 to 1.50	..... to .....	..... to .....	..... to
Daisies.....	..... to .50	.40 to .60	.25 to .50	1.50 to 2.00
Snapdragon.....	3.00 to 5.00	4.00 to 6.00	1.00 to 2.00	..... to
Sweet Peas.....	.25 to 1.00	.50 to .75	.25 to .35	.50 to .75
Gardenias.....	12.00 to 15.00	..... to .....	..... to .....	..... to
Adiantum.....	1.00 to 1.25	..... to 1.00	1.00 to 1.25	1.00 to 1.50
Smilax.....	12.00 to 15.00	15.00 to 20.00	12.50 to 15.00	15.00 to 20.00
Asparagus Plumosus, strings (100)	..... to 50.00	50.00 to 75.00	35.00 to 50.00	..... to 50.00
" & Spreu. (100 bchs.)	..... to 40.00	25.00 to 40.00	25.00 to 50.00	35.00 to 50.00

J.A. BUDLONG

82-84-86 E. Randolph St., Chicago

OUR STOCK IS A-1 AND IT IS QUALITY NOT PRICES THAT TALKS

HENRY M. ROBINSON & CO.

15 Province St., 9 Chapman Pl.,
BOSTON, MASS.

Everything in Flowers

Complete Stock of Florists' Greens,
Three Floors of Florists' Supplies.

Binghamton, N. Y.—Edward F. Quinn, florist, has been presented with a handsome chair in appreciation of his services in organizing the St. Paul's Cemetery Association and interest in beautifying the grounds.

TRY MY PRICES.

J. JANSKY, Tel. Main 3652-1, Boston, Mass.
19 Province St.,
Manufacturer of Florist Wire Designs,
All kinds of Florist Supplies.

New crop Dagger and Fancy Ferns, \$1.75 per 100. Green and Bronze Galax, 90c. per 1000; by the case, \$7.50. Boxwood, 50-lb. cwt., \$7.50; by the lb., 25c. Laurel Wreaths, 10-inch, \$1.75 per doz.; 12-inch, \$2.25 per doz.; 14-inch, \$3.00 per doz.; 16-inch, \$4.50 per doz. Laurel Trimming, 4 and 5c. per yd.

ROBERT J. DYSART
Public Accountant and Auditor

Simple methods of correct accounting especially adapted for florists' use.

Books Balanced and Adjusted

Merchants Bank Building
28 STATE ST. - BOSTON
Telephone, Main 58.

Flower Market Reports.

BOSTON Today, the fifth of the intense heat finds the flower market almost wrecked. To get flowers into the city in any saleable condition is next to impossible and to think of shipping them out again is an absurdity. Never before have we faced such a situation. Roses, carnations and sweet peas—the three mainstays of the market are worthless when the boxes are opened. It is consoling, however, to know that we are at the very lowest point in the business season and the demand is at its weakest stage. For once Boston's famed east wind seems to have forgotten her but we hope it is not for long. All field crops are suffering from drought.

CHICAGO The summer season, with a few variations to the usual conditions, is fully here. For six weeks extreme hot weather has prevailed and the usual amount of stock greatly lessened in consequence. Indoor stock has narrowed down to Beauties, orchids, summer roses, lily of the valley, carnations and lilies. The Beauties are very good considering all things and the demand uses up the daily cut. Of summer roses the quality varies more. There are some splendid Killarneys, especially in white, and with orchids, lily of the valley and sweet peas have met the wedding and commencement demand, the indoor sweet peas just lasting through the month. Out-of-door sweet peas have been greatly retarded in some localities, by the extreme heat and the vines permanently injured, while in all sections the stems are shortening rapidly. The demand for orchids has been steady. Red roses are not used much and orders are for limited quantities only. Gladioli in splendid quality are coming from Michigan, and this showy summer flower sells well when good varieties are offered. The wholesalers generally claim to be pleased with the volume of business done the past month and if summer stock holds up to what it now is, are expecting fair trade during the summer.

CINCINNATI Trade during the last week in June was all that could be desired. Supplies are decreasing very rapidly, and those houses that are fortunate enough in receiving stock of good quality find a ready market, as good flowers are none too plentiful. There was a liberal supply of short-stemmed Beauties, with the longer grades just equal to the demand. The Taft rose continues to show its superiority over all other pink sorts for summer blooming, with My Maryland next in line. Killarney, both white and pink, that are received are short in stem, but help to relieve any possible shortage in the demand for pink roses. White roses, which were in heavy crop during the previous week, slackened up, and with a good demand both locally and out of town for good white roses the market at times run short. Shorter grades were more plentiful. The receipts of carnations have become light, and those received clean up readily. Buy-

A Seasonable Hose Offer

THE P/M BRAND

This brand has been made specially to our own order and specifications, and stands the rough usage of the greenhouse better than any other make at the price. Quality guaranteed. 25 and 50 ft. lengths.

16 cents per ft., couplings included.

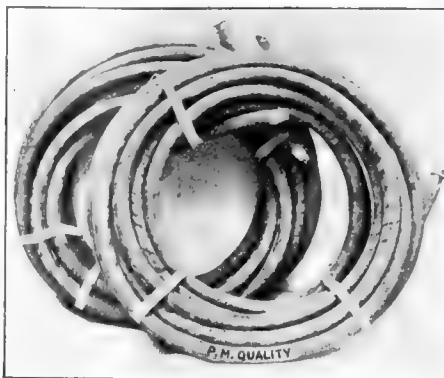
THE BULL DOG BRAND. Next to the P/M this well known make is in great favor with florists.

16 cents per ft., couplings included.

THE 32½c. HOSE This may sound an extravagance to many and yet we are told by some of our customers that it is even more economical in the long run than anything lower priced.

32½ cents per ft., couplings included.

All Hose sold by us is guaranteed. Store closes daily at 5 p. m., during July and August



S. S. PENNOCK-MEEHAN CO.

THE WHOLESALE FLORISTS OF PHILADELPHIA

NEW YORK
109 W. 26th Street

PHILADELPHIA
1608-1620 Ludlow Street

WASHINGTON
1212 New York Ave.

WHOLESALE FLOWER MARKETS.—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	CINCINNATI July 5		DETROIT July 3		BUFFALO June 20		PITTSBURG July 3	
Am. Beauty, Fan, and Sp.....	12.00	to 25.00	20.00	to 25.00	20.00	to 25.00	25.00	to 30.00
" Extra.....	.....	to 10.00	15.00	to 20.00	10.00	to 12.00	.....	to 20.00
" No. 1.....	.....	to 6.00	8.00	to 12.00	6.00	to 8.00	12.50	to 15.00
" Lower grades.....	.....	to 3.00	4.00	to 10.00	2.00	to 4.00	5.00	to 8.00
Richmond, Chateaux, Fan, & Spl....	3.00	to 6.00	5.00	to 8.00	5.00	to 6.00	6.00	to 8.00
" Lower Grades.....	2.00	to 3.00	3.00	to 5.00	2.00	to 3.00	3.00	to 4.00
Killarney, Maryland, Fan, & Spl....	4.00	to 6.00	5.00	to 8.00	6.00	to 8.00	6.00	to 10.00
" Low. Grades.....	2.00	to 3.00	3.00	to 5.00	2.00	to 4.00	3.00	to 4.00
Bride, 'Maid, F. & S.....	4.00	to 6.00	3.00	to 6.00	5.00	to 6.00	6.00	to 8.00
" Low. gr.....	2.00	to 3.00	.....	.....	2.00	to 3.00	3.00	to 4.00
Kaiserin, Carnot,.....	3.00	to 8.00	3.00	to 7.00	.....	to 3.00	3.00	to 4.00
CARNATIONS, First Quality.....	.....	to 2.00	2.00	to 3.00	1.50	to 2.00	.....	to 1.50
" Ordinary.....	.....	to 1.00	1.00	to 2.00	1.00	to 1.50	.....	to 1.00
MISCELLANEOUS								
Cattleyas.....	.....	to 10.00	.....	to 15.00	25.00	to 35.00	50.00	to 60.00
Lilies, Longiflorum.....	10.00	to 12.50	12.50	to 15.00	8.00	to 10.00	10.00	to 12.00
Lily of the Valley.....	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Gladioli.....	.....	to 5.00	4.00	to 8.00	.....	to 4.00	.....	to 4.00
Stocks.....	1.00	to 3.00	.....	to 1.00	.....	to 1.00	.....	to 1.00
Daisies.....	.50	to 1.00	.50	to 1.50	.50	to 1.00	.....	to 1.00
Snapdragon.....	2.00	to 4.00	.....	to 1.00	.....	to 1.00	.....	to 1.00
Sweet Peas.....	25	to .50	.50	to 1.00	.40	to .75	.50	to 1.00
Gardenias.....	.....	to 1.00	.....	to 1.50	.....	to 1.50	.....	to 1.25
Adiantum.....	1.00	to 1.50	1.00	to 1.50	.50	to 1.50	.....	to 1.25
Smilax.....	12.00	to 15.00	.....	to 15.00	.....	to 15.00	.....	to 15.00
Asparagus Plumosus, strings (100)	.....	to 50.00	25.00	to 40.00	40.00	to 60.00	35.00	to 50.00
" " & Spren. (100 bchs.)	.....	to 25.00	25.00	to 40.00	25.00	to 50.00	35.00	to 50.00

ers are already inquiring for asters, but the prospect for these is not very bright, at least as far as local growers are concerned. Good sweet peas find a ready market, while those of poor quality are hard to move at any price. Shasta daisies are at an end for the season. Lily of the valley in fair supply and demand. Lilies are no longer as plentiful as they have been during the past month. They sell steadily, and prices are well maintained. The supply of green goods is in every way equal to the demand.

For several days we **DETROIT** have again been sweltering under a heat wave which breaks records daily as far back

as 27 years. I am certain that nobody, no matter how enthusiastic he is over Detroit's many excellent features of a city to live in and work in, cares for Detroit to be a record breaker in such a direction. That flowers of all kinds are more than scarce need hardly to be mentioned. Indoor sweet peas are all gone, and out of door are checked very much through the hot and dry spell. Retail demand has very much quieted down. Florists in general report the past June ahead of the one a year ago, but not as far ahead as May, 1911, was over May, 1910. This feature may be explained by the fact that the demand for bedding stock was more

(Continued on page 51)

M. C. FORD
Successor to
FORD BROTHERS
121 West 28th Street NEW YORK
FINE ROSES. FANCY CARNATIONS
A Full Line of All CUT FLOWERS.
Telephone, 3876 or 3871 Madison Square

H. E. FROMENT
Wholesale Commission Florist,
Choice Cut Flowers,
87 West 28th St. :: NEW YORK
Telephones: 2200, 2201, Madison Square.

Alfred H. Langjahr
All choice cut-flowers in season. Send
for quotations. Correspondence with
shippers of first-class stock invited.
55 West 28th Street, New York
Telephones 4626-4627 Madison Square

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55 WEST 28th ST.

Tel. 1462 Madison Square New York
1463

D. Y. Mellis, Pres. Robert G. Wilson, Treas.

**Greater New York
Florists' Association, Inc.**

New Open for Cut Flower Consignments.

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Geo. W. Crawbuck Telephone Connection
Manager 3642-43 Main

Moore, Hentz & Nash
Wholesale Commission Florists

55 and 57 West 26th Street

Telephone No. 786
Madison Square New York

WM. P. FORD
Wholesale Florist
45 W. 28 Street, NEW YORK
Call and Inspect the Best Establishment
in the Wholesale Flower District

A. MOLTZ & CO.
Wholesale Florists
A. MOLTZ MAURICE L. GLASS
Coogan Building, 55-57 West 26th Street
NEW YORK CITY
Telephone 2921 Madison Square Open from 5 a. m. to 6 p. m.

THE KERVAN COMPANY
Fresh Cut Evergreens, Mosses
Southern Smilax, Galax and Leucothoe.
Preserved and Fresh Cut
Cycas and Palmetto.
Tel. 1519 / 5893 / Mad. Sq. 113 W. 28 St., New York.

REED & KELLER
122 West 25th St., New York
Florists' Supplies
We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Flowers, Decorative Greens and Florists' Requisites

P. J. SMITH
Successor to JOHN I. RAYNOR
Wholesale Commission Florist SELLING AGENT FOR
A full line of Choice Cut Flower Stock for all purposes LARGEST GROWERS
by the 100, 1000 or 10,000 The HOME OF THE LILY
TEL. 1998 MADISON SQUARE 49 West 28th St., New York City

Walter F. Sheridan
Wholesale Commission Dealer in
CHOICE CUT FLOWERS
133 West 28th Street, New York
Telephone—3532-3533 Madison Square

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES AND CARNATIONS
JAMES McMANUS, Tel. 759, 55 W. 28th St., New York
Mad. Sq.

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending July 1 1911		First Half of Week beginning July 3 1911	
American Beauty, Fancy and Special.....	25.00	to 30.00	15.00	to 25.00
" " Extra.....	15.00	to 20.00	10.00	to 12.00
" " No. 1.....	6.00	to 10.00	3.00	to 4.00
" " Lower Grades.....	2.00	to 3.00	1.00	to 2.00
Richmond, Chateaux, Extra and Special.....	3.00	to 8.00	3.00	to 6.00
" " Lower Grades.....	1.00	to 2.00	1.00	to 2.00
Killarney, My Maryland, Extra and Special.....	2.00	to 8.00	2.00	to 8.00
" " Lower Grades.....	1.00	to 2.00	1.00	to 2.00
Bride, Maid, Extra and Special.....	3.00	to 5.00	2.00	to 5.00
" " Lower Grades.....	.50	to 2.00	1.00	to 1.50
Kaiserin, Carnot.....	1.00	to 5.00	1.00	to 5.00
Carnations, First Quality.....	1.00	to 2.00	1.00	to 2.00
" " Ordinary.....	.50	to .75	.50	to .75

BADGLEY, RIEDEL & MEYER, Inc.
WHOLESALE FLORISTS

34 West 28th Street, New York

Telephones { 1664 / 1665 } Madison Square

CONSIGNMENTS SOLICITED

SIEBRECHT & SIEBRECHT
Wholesale Florists
Phone 8346 Madison Square
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136 W. 28th St., New York City

Frank H. Traendly Charles Schenck
TRAENDLY & SCHENCK
Wholesale Florists
131 West 28th St., New York
Telephones: 798 and 799 Madison Square
Consignments Solicited

CENTRALLY LOCATED, THE HUB OF THE
FLOWER MARKET SECTION
CHARLES MILLANG
Wholesale Florist
55 & 57 W. 26 St., NEW YORK
Telephone 7062 Madison

Wired Toothpicks
Manufactured by
W. J. COWEE, BERLIN, N. Y.
50,000... \$1.75; 50,000... \$7.80. Sample free
For sale by dealers

A. L. YOUNG & CO.
WHOLESALE FLORISTS
Choice Cut Flowers
CONSIGNMENTS SOLICITED
54 West 28th St., NEW YORK
Prompt Payments. Telephone 3559 Madison Sq.

FRANK MILLANG
Wholesale Florist
55-57 West 26th St., NEW YORK
Shipments, any quantity, Whole-
sale Market Rates.

**KRICK'S FLORIST
NOVELTIES**
Manufacturer and Patentee of the Perfect
Adjustable Pot Handle or Hanger,
Perfect Adjustable Plant Stands and
the Original Genuine Immortelle Let-
ters, etc. Every Letter Marked
1164-48 Grand Ave., Brooklyn, N. Y.
For Sale by all Supply Houses.



MICHIGAN CUT FLOWER EXCHANGE, Inc.
[WHOLESALE COMMISSION FLORISTS
[Consignments Solicited]
[Hardy Fancy Fern Our Specialty]
38-40 BROADWAY, DETROIT, MICH

WILLIAM H. KUEBLER
Brooklyn's Foremost and Best
WHOLESALE COMMISSION HOUSE
A First Class Market for all CUT FLOWERS
28 Willoughby St., Brooklyn, N. Y.
Tel. 4591 Main

WILLIAM F. KASTING Co.
Wholesale Florists
383-387 ELLICOTT ST. - - BUFFALO, N. Y.

Flower Market Reports

(Continued from page 50)

this year than last, on the other hand cut flowers had suffered very much from the hot weather in May, and the quality offered in June was very inferior.

NEW YORK Midsummer conditions have struck this neighborhood with sudden vengeance. Everybody who can get out of town has done so and, as for those that are left, flowers are about the last thing they need. The extreme heat which has covered a large part of the country during the past week about ruined the flower crop for the time being. The product is small as to bulk and almost useless as to quality. The retail stores make no pretense of carrying stock. Their windows as a rule are adorned with a few ferns or palms, an occasional bunch of garden or field bloom and sometimes a dish of water lilies. If an order should chance to come in the purchasing clerk gathers himself together and makes the round of the wholesale stores where he is as welcome as can be. Steamer trade has fallen off and quiet times are on for the next few weeks.

PHILADELPHIA We have looked carefully around the purlieus of Philadelphia for any signs of excitement in the cut flower markets. We have not found any to speak of and have the honor, therefore, to report that all is quiet along the Delaware. Some slight skirmishes were in evidence early last week and considerable loot was gathered in from the enemy; but later the operations were only of a commonplace character and barely sufficient to keep the commissariat department in ordinary rations. By Saturday much of the spoils were in danger of spoiling from the great heat—and were allowed to go to the enemy with little resistance. This strategic movement saved trouble and cleared the front for action on the 3rd. On the latter date some flank movements were successful with the American Beauty battalions and the enemy had to succumb to superior force, both in quality and indemnity. Worthy of special mention also, was the good work done by the Marylands. They were in fine form and got in the running considerably ahead of the Irish Brigade—the redoubtable Killarneys. The white squads were led by the Hohenzollerns in the nearby skirmishes; but for distance work the hon-

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending July 1 1911		First Half of Week beginning July 3 1911	
Cattleyas.....	20.00	to 5.00	25.00	to 50.00
Lilies, Longiflorum.....	4.00	to 4.00	3.00	to 4.00
Lily of the Valley.....	3.00	to 5.00	2.00	to 5.00
Gladioli.....	4.00	to 6.00	4.00	to 6.00
Stocks.....	.50	to .75	.50	to .75
Daisies.....	.10	to .25	.10	to .25
Smilax.....	2.00	to 3.00	1.00	to 3.00
Sweet Peas (per 100 bunches).....	2.00	to 6.00	2.00	to 6.00
Gardenias.....	10.00	to 20.00	15.00	to 20.00
Adiantum.....	.50	to .75	.50	to .75
Smilax.....	5.00	to 8.00	5.00	to 8.00
Asparagus Plumosus, strigs.....	.....	to 35.00	.....	to 35.00
" " & Spion. (100 bchs).....	15.00	to 20.00	15.00	to 20.00

ors must be awarded to the Irish. The Carrie Nations have shed their pants and are back in the cooking tents temporarily. Minor items not making history to any extent.

ST. LOUIS The market the past week showed very little of anything new and all the consignments continue poor grades in all varieties. Roses in demand but good ones are hard to find. Carnations also continue poor. Gladioli clean up daily. Lilies are good and lily of the valley has had a large demand. Sweet peas are very poor—in fact all outdoor stock is poor this season.

SYRACUSE The cut flower trade is dull, but large funeral orders keep the stock well worked up. The excessive heat for the past week or more has raised Cain with everything in the houses. There is some anxiety felt over the chrysanthemums, and the outcome next fall. Carnations in the field are doing finely, and promise some grand plants for fall work. Heavy and frequent rains in May and June gave them a good start, and frequent cultivation keeps the moisture in the ground. The plants are making a splendid growth. Some showers now would do much good, and tend to keep down red spider, which is bound to make its appearance if this excessive heat continues.

IN BANKRUPTCY.

Michael F. Toomey of Franklin, Mass., proprietor of the Oak Hill nurseries, and having a place of business at 10 Tremont street, Boston, has filed his schedules in bankruptcy in the United States District Court in which he acknowledges debts aggregating \$12,538.57. Toomey was petitioned into bankruptcy on June 8. His assets amount to \$7469.12. Of the liabilities \$30,818.57 is unsecured and \$10,920 secured.

PERSONAL.

Carl C. Reck, florist, Main street, Bridgeport, Conn., was married June 20 to Miss Emily Reid Thomas.

Visitors in Boston—Mrs. Eugene Dailedouze, Brooklyn, N. Y.; Miss Millie Dorner, Lafayette, Ind.

Robert Hunnicks, head gardener to Mr. Wm. Maxwell, Rockville, Conn., has resigned his position and is going back to Newport, R. I.

Mrs. Fillmore, Sr., who has charge of the cut flower department of F. J. Fillmore & Sons, St. Louis, is visiting Kansas City, Mo., for a two weeks' vacation trip.

George Gordon of Beverly, Mass., started on July 6 on a two or three months' tour westward as far as the Pacific coast, stopping at Detroit, Denver, San Francisco, Portland, Seattle and other important points.

Mr. and Mrs. Charles Dingee, of West Grove, Pa., announce today the engagement of their daughter, Miss Marion H. Dingee, to Mr. George M. Barnard, of New Castle, Ind. Mr. Barnard is the Mayor of New Castle, and a son of former Congressman Barnard of Indiana. The wedding will take place in the autumn, at the country home of Mr. and Mrs. Dingee, at West Grove, Pa.

The many Boston friends of Mr. Michael Keenan will be glad to know of his success as manager for P. R. Quinlan, at his Salem street store, Syracuse, N. Y. Every one in the trade has a good word to say for him, and he is making a host of friends among all classes. His work as a designer is much praised. A very important item with all florists, is window decoration, and this receives his personal supervision, and many attractive and artistic displays have been made. The store itself has been greatly improved, and now looks up to date.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

AMPELOPSIS

AMPELOPSIS VEITCHII.

Strong seedlings,
50c per 100; \$4.00 per 1000 prepaid.
P. Pearson, 5732 Gunnison St., Chicago.

ARAUCAIAS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
For page see List of Advertisers.

ASPARAGUS

A. Leuthy & Co., Roslindale, Mass.
Asparagus Plumosus Nanus.
For page see List of Advertisers.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

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BAY TREES

A. Leuthy & Co., Roslindale, Mass.
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Bobblink & Atkins, Rutherford, N. J.
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Bay Trees and Box Trees, all sizes
Write for special List
Julius Roehrs Co., - - Rutherford, N. J.

Bay trees, heads 24 in. through, \$12.00 a pair; heads 28 in. through, \$14.00 a pair; 32 in. heads, \$16.00 a pair; larger plants, \$18.00, \$25.00 and \$28.00 a pair. Pyramids, 60 in. high from tub, \$10.00 a pair; 75 in. high, \$18.00 and \$20.00 a pair. A. Schultheis, College Point, Queensborough, N. Y.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
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B. Vincent, Jr. & Sons Co., White Marsh,
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Thomas Roland, Nahant, Mass.
Lorraine Begonias.

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A. N. Pierson, Inc., Cromwell, Conn.
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Begonia Lorraine, 2½ in., twice transplanted, \$12.00 per 100; in 500 lots, \$50.00 the 500. Julius Roehrs, Rutherford, N. J.

Begonia Lorraine 2½-inch pots,
\$12.00 per 100 \$50.00 per 500
Immediate Delivery,
Julius Roehrs Co., - - Rutherford, N. J.

BOILERS

Kroeschell Bros. Co., 466 Erie St., Chicago.
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BOUVARDIAS

J. W. Foote, Reading, Mass.
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BOXWOOD

Boxwood for window boxes, \$20.00, \$25.00, \$30.00, \$40.00, per 100. Pyramids in tubs, very fine, \$3.00, \$4.00, \$5.00, \$6.00 a pair. A. Schultheis, College Point, Queensborough, N. Y.

BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.
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A. Leuthy & Co., Roslindale, Mass.
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Julius Roehrs Co., Rutherford, N. J.
Box Trees all sizes. Ask for special list.

BULBS AND TUBERS

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Boston.

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Spring Bulbs.

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The W. W. Barnard Co., Chicago, Ill.
Import Bulb List.

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Fottler, Fiske, Rawson Co., Boston, Mass.
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E. S. Miller, Wading River, N. Y.
Bulbs and Roots for Fall Planting.

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CANNAS

Cannas in large variety, dormant roots and plants. Send for our new price list. Clear View Gardens, Successors to Frank Cummings Bulb & Plant Co., Meridian, Miss.

Cannas, 3-in. pots, King Humbert, Brandywine, Venus, California, Alsace, Queen Charlotte, Gladiator, Niagara. P. of five, Chautauqua, Express, Phila., Buttercup, F. Vaughan, Wyoming, \$5.00 per 100. Will make special price as to kinds. Louis B. Eastburn, Kennett Square, Pa.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CARNATIONS

F. Dörner & Sons Co., Lafayette, Ind.
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Chicago Carnation Co., Joliet, Ill.
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CHRYSANTHEMUMS

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Elmer D. Smith, Adrian, Mich.
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SMITH'S CHRYSANTHEMUMS. WEEKLY BULLETIN.

Fine stock for immediate delivery, not less than 25 at hundred, and 250 at thousand rate. The flowering season is in the order given beginning with the earliest.

WHITE	100	1000
Beatrice May	3.00	25.00
Indiana	3.00	25.00
Miss Clay Frick	3.00	25.00
Pres. Taft	3.00	25.00
Mrs. Wm. Arnold	3.00	25.00
Mlle. Margaret Desjouis	3.00	25.00
W. H. Chadwick	3.00	25.00
White Bonnaillon	3.00	25.00
Jeanne Nonin	3.00	25.00

YELLOW	100	1000
Golden Glow	3.00	25.00
Yellow Oct. Frost	3.00	25.00
Donatello	5.00	45.00

PINK	100	1000
Glory of Pacific	\$3.00	\$25.00
Pacific Supreme	3.00	25.00
Gloria	3.00	25.00
Mrs. Wm. Wincott	3.00	25.00
Dr. Enguehard	3.00	25.00
Mayor Weaver	3.00	25.00
Minnie Bailey	3.00	25.00
Helen Frick	3.00	25.00
Mlle. Jeanne Rosette	3.00	25.00

RED	100	1000
Pocket's Crimson	\$4.00	\$35.00
Intensity	4.00	35.00

Those interested in ANEMONES, POM-PONS and SINGLES will be quoted upon application.

This bulletin will be changed each week to comply with stock on hand.

ELMER D. SMITH & CO., ADRIAN, MICH.

Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Chrysanthemums, rooted cuttings, Monrovia, Polly Rose, \$12.00 per 100. Vinca Var., 4 in. pots, fine full plants, \$12.00 per 100. Ivy, English, 4 in., \$12.00 per 100. Chas. Lenker, Freeport, L. I., N. Y.

Chrysanthemum, rooted cuttings, R. Halliday, Amorita, Ivory, Yellow Jones, Minnie Bailey, Y. Bonnaillon, Rosiere, Polly Rose, \$10.00 per 1000. Cash please. Hilpert & Hammen, 313 Belair Road, Baltimore, Md.

Chrysanthemums Halliday, Frick, Nonin, Byron, Tousset, Polly Rose, Pacific, Englehardt, Golden Glow, Adela, fine plants from 2½-in. pots, \$25.00 per thousand. Cash, please. William Hoffman, 673 East Ave., Pawtucket, R. I.

CINERARIAS

Cinerarias, best strain dwarf, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

COBAEAS

500 Cobaea Scandens, 4 in., \$4.00 per 100, purple. Or will exchange for Boston. Fischer Bros., 614 Dempster St., Evanston, Ill.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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COLEUS

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CUT FLOWER BOXES

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made.
Write for list. Holton & Hunkel Co., Milwaukee, Wis.

CYCLAMENS

J. W. Philbrick, Beverly, Mass.
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Cyclamen—Best Varieties in different colors, 3 inch pots, strong plants, \$10.00 per 100, \$80.00 per 1000. Julius Roehrs Company, Rutherford, N. J.

Cyclamen, 3-in. pots, selected giant strain, none better, \$10.00 per hundred, cash. William Hoffman, 673 East Ave., Pawtucket, R. I.

DAHLIAS

Herbert, Acto, N. J.
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R. Vincent, Jr. & Sons Co., White Marsh, Md.
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Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

Dahlias, divided roots, from 1 to 3 eyes to the piece. Send for list and get the latest varieties. W. P. LOTHROP, Brockton Dahlia Farm, E. Bridgewater, Mass.

DAHLIAS NEW FOR 1911.
Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williamstown Junction, N. J., Post Office, Berlin, N. J.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.
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John Scott, Brooklyn, N. Y.
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DRACAENAS

Dracaena indivisa, 3 feet high and over, 5½ and 6 to 6½ in. pots, in perfect condition, cheap to close out, \$25.00 per 100. A. Schultheis, College Point, Queensborough, N. Y.

EVERGREENS

New England Nurseries, Bedford, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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H. H. Barrows & Son, Whitman, Mass.
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John Scott, Brooklyn, N. Y.
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Frank Oechslein, 4911 Quincy Street, Chicago.

Ferns for Dishes.
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Robert Craig Co., Philadelphia, Pa.
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F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
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Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Shot Hills, N. J.

FERTILIZERS

20th Century Plant Food Co., Beverly, Mass.
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Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.
Wizard Brand Cattle Manure.

Hardwood ashes, best fertilizer on earth for lawns and gardens. George Stevens, Peterborough, Ont., Canada.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
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FLORISTS' LETTERS

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H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

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Syracuse Pottery Co., Syracuse, N. Y.
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Peters & Reed Pottery Co., Zanesville, O.
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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

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Kervan Co., New York.

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H. M. Robinson & Co., 15 Province St.

GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.

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Geraniums, our selection, 4 in., \$7.00 per 100; 3 in., \$4.00 per 100; 2 in., \$2.00 per 100; \$18.50 per 1000. More than 100 varieties. Send for geranium catalogue. A. D. Root, Wooster, O.

GLASS

Boston Plate & Window Glass Co., Boston.
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Standard Plate Glass Co., 26-30 Sudbury St., Boston.

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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.

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Pierson U-Bar Co., Madison Ave., New York
Designer and Builder.

GUTTERS

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King Channel Gutters.

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HAIL INSURANCE

Florists' Hall Asso. of America.

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A. T. Stearns Lumber Co., Neponset, Mass.
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Foley Mfg. Co., Chicago.

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In writing to Advertisers kindly mention Horticulture

HOT-BED SASH—Continued

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Lord & Burnham Co., 1133 Broadway, N. Y.
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HYDRANGEAS

F. R. Pierson Co., Tarrytown-on-Hudson,
New York.
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The true blue French Hydrangea from
5½ and 6 in. pots, sky blue, from 8 to 16
branches, \$9.00 per dozen. Best selected
plants, \$12.00 per dozen. Cash please. A.
Schulthels, College Point, Queensborough,
N. Y.

INSECTICIDES

Hammond's Paint and Slug Shot Works.
Fishkill-on-Hudson, N. Y.
Hammond's Slug Shot.
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Eastern Chemical Co., Boston, Mass.
Imp. Soap Spray.
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Nicotide kills all greenhouse pests.
P. R. Palethorpe Co., Owensboro, Ky.
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Stumpp & Walter Co., New York.
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Wilson Plant Oil and Fertilizer Co., New
York, N. Y.
Wilson Plant Oil.
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Wm. Elliott & Sons, New York, N. Y.
Tobacco Dust.

Acme Nicotine Insecticides sold direct to
the grower. Acme 45 per cent. Liquid,
pint \$1.75; gallon \$12.50. Acme Fumigat-
ing Paper, case of 288 sheets \$5.50. Sample
can of 24 sheets 60 cents, postpaid. J. P.
Beeremaker, 9 Washington Ave., St. Louis,
Mo.

GYPSY MOTH CREOSOTE

The original Gypsy Moth Creosote, made
especially by us for the Gypsy Moth Com-
mission. Limpid at all temperatures, com-
pletely penetrates the nest; kills all eggs.
Samuel Cabot, Inc., Mfg. Chemists, Boston,
Mass.

IRON RESERVOIR VASES

Walbridge & Co., Buffalo, N. Y.
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IVIES

Surplus German Ivy, Alternanthera,
Sweet Alyssum, 2 in., 2c. Will exchange
for "Mums." E. A. Chipman, Woonsocket,

JAPANESE LILIES

Loechner & Co., New York, N. Y.
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LANDSCAPE GARDENING COURSE

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**LILICUM MULTIFLORUM AND GIGAN-
TEUM**

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Horse Shoe Brand.
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NICO-FUME

Kentucky Tobacco Product Co.,
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Nicotine Mfg. Co., St. Louis, Mo.

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Hardy, Northern Grown Stock.
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McHutchison & Co., New York, N. Y.
Direct Importations.
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Loechner & Co., New York, N. Y.
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TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.
Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00 by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

ONION SETS

Leonard Seed Co., Chicago, Ill.
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ORCHID FLOWERS

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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
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Ordenez Bros., Madison, N. J., Box 108.
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Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
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Orchids—largest stock in the country.
Stove plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.

Orchid Growers' Manual. By B. S. Wil-
liams, 300 illustrations, 800 pages; descrip-
tions of upwards of 2500 species and varie-
ties of orchidaceous plants, etc. The most
complete work on Orchids and orchid cul-
ture ever published. Price \$10.00. Orders
filled by HORTICULTURE, 11 Hamilton
Place, Boston.

Edward V. Low, late of Hugh Low &
Co., dissolved, Vale Bridge, Haywards
Heath, England. "White" Cattleyas and
Choice Cypripediums are leading features.

PALMS

A. Leuthy & Co., Perkins St. Nurseries,
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Loechner & Co., New York, N. Y.
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PANSY SEED

Arthur T. Riddington, New York, N. Y.
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PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4;
2 in., \$3. Shipped flat, low freight rates.
Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
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PECKY CYPRESS BENCHES

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A. T. Stearns Lumber Co., Boston, Mass.
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PEONIES

PEONIES—1200 sorts, an enormous stock
List ready C. Betscher, Canal Dover, O

PETUNIAS

Petunias (Dreer's), mixed, 2½ in., \$2.00
per 100; 300 for \$5.00. J. C. Schmidt,
Bristol, Pa.

PHOTOGRAPHS

I make a specialty of photographing
flowers, plants, etc., for reproduction. Let
me submit samples and prices on material
for the next catalogue or circular. Special
work to order at reasonable prices. Nathan
R. Graves, 414 Hayward Bldg., Rochester,
N. Y.

PLANT STAKES

Seele's Teless Plant Stakes and Trel-
lises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

PIPE AND FITTINGS

Foley Mfg. Co., Chicago.
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Metropolitan Material Co., Brooklyn, N. Y.

POINSETTIAS

A. N. Pierson, Inc., Cromwell, Conn.
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POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp.,
\$1.25 by mail. I. N. Kramer & Sons, Cedar
Rapids, Iowa.

PRIMULAS

Primulas Chinese, fine plants. 2½ in.
\$2.00 per 100; 300 for \$5.00. J. C. Schmidt,
Bristol, Pa.

RHODODENDRONS

P. Ouwerkerk, Hoboken, N. J.
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American Grown Roses.
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Bay State Nurseries, North Abington, Mass.
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Wood Bros., Fishkill, N. Y.
Own Root Roses.
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A. N. Pierson, Cromwell, Conn.
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Wanted—Rose plants of any kind. Mel-
rose Garden Co., 90 Melrose St., Provi-
dence, R. I.

SCALECIDE

B. G. Pratt Co., New York, N. Y.
For page see List of Advertisers.

SEED GROWERS

Braslan Seed Growers Co., San Jose, Cal.
For page see List of Advertisers.

SEEDS

T. J. Grey Co., 32 So. Market St., Boston
For page see List of Advertisers.

Joseph Breck & Sons,
51 and 52 N. Market St., Boston, Mass.
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Rickards Bros., 37 E. 19th St., New York
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Henry F. Michell Co., Philadelphia, Pa.
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SEEDS—Continued

- W. Atlee Burpee & Co., Philadelphia.
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- Arthur T. Boddington, New York
Pansy Seed.
For page see List of Advertisers.
- R. & J. Farquhar & Co., Boston, Mass.
Flower Seeds for the Florist.
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- J. M. Thorburn & Co., 33 Barclay St., N. Y.
Asparagus Plumosus Nanus Seeds.
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- Fottler, Fiske, Rawson Co., Boston, Mass.
For page see List of Advertisers.
- Leonard Seed Co., Chicago, Ill.
Beans, Peas, Sweet Corn, Onion, Turnip.
For page see List of Advertisers.
- Wm. Elliott & Sons, New York.
For page see List of Advertisers.
- James Vick's Sons, Rochester, N. Y.
All Leading Varieties of Seeds.
For page see List of Advertisers.
- Skidelsky & Irwin Co., Philadelphia, Pa.
For page see List of Advertisers.
- The W. W. Barnard Co., Chicago, Ill.
For page see List of Advertisers.
- J. Bolgiano & Son, Baltimore, Md.
For page see List of Advertisers.

SPHAGNUM MOSS

- Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.
- Ten bales sphagnum moss, \$7.00. Z. K. Jewett Co., Sparta, Wis.

SPRAYERS

- Chas. J. Jager Co., Boston, Mass.

STEVIA.

- Stevia rooted cuttings, 75c. a 100, pre-paid. Chas. Leisy, Mantua, N. J.

SWAINSONA

- Swainsona. Strong 2½ inch. bud and bloom, \$3.00; 3 inch, \$5.00 per 100. Union City Greenhouses, Union City, Pa.

TREE RENOVATION

- John T. Withers, Inc., Jersey City, N. J.
For page see List of Advertisers.

VALLEY PIPS

- Loechner & Co., New York, N. Y.
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VEGETABLE PLANTS

- R. Vincent, Jr. & Sons Co.,
White Marsh, Md.
For page see List of Advertisers.
- Fox Hall Farm, Norfolk, Va.
Golden Self-Branching Celery.
For page see List of Advertisers.

VENTILATING APPARATUS

- Foley Mfg. Co., Chicago.
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- The Advance Co., Richmond, Ind.
Improved Ventilator Arm.
For page see List of Advertisers.

VINCAS

- Vinca variegata from 3 in. pots, \$5.00 per 100. Cash with order. W. S. Nichol, Barrington, R. I.

WIREWORK

- Reed & Keller, 122 W. 25th St., N. Y.
For page see List of Advertisers.
- J. Jansky, Boston, Mass.
For page see List of Advertisers.
- Wirework. Write for our catalogue.
Holton & Hunkel Co., Milwaukee, Wis.
- William E. Heilscher's Wire Works, 38-40 Broadway, Detroit, Mich.

WIRED TOOTHPICKS

- W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

WOOD PRESERVATIVE

- Conserve Wood Preservative doubles the life of all exposed lumber. Preserves benches, posts, sills or planking. Costs 3c. a stick, and saves ten times its cost. Samuel Cabot, Inc., Mfg. Chemists, Boston, Mass.

WHOLESALE FLORISTS

Boston

- N. F. McCarthy & Co., 84 Hawley St.
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- Welch Bros., 233 Devonshire St.
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- H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl.
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Buffalo, N. Y.

- William F. Kasting Co., 383-87 Elllicott St.
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Chicago

- Peter Reinberg, 51 Wabash Ave.
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- Poehlmann Bros. Co., Morton Grove, Ill.
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- J. A. Budlong, 37-39 Randolph St.
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Cincinnati, Ohio

- The J. M. McCullough's Sons Co., 316 Walnut St.
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Cromwell, Conn.

- A. N. Pierson, Cromwell, Conn.
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Detroit

- Michigan Cut Flower Exchange, 38 and 40 Broadway.
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New York

- M. C. Ford, 121 W. 28th St., New York
For page see List of Advertisers.
- H. E. Froment, 57 W. 28th St., New York.
For page see List of Advertisers.
- H. C. Horan, 55 W. 28th St., New York.
For page see List of Advertisers.
- A. H. Langjahr, 55 W. 28th St., New York
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- James McManus, 55 W. 28th St., New York
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- W. F. Sheridan, 133 W. 28th St., New York.
For page see List of Advertisers.
- Wm. H. Kuebler, 28 Willoughby St., Brooklyn, N. Y.
For page see List of Advertisers.
- Moore, Hentz & Nash, 55 and 57 W. 26th St., New York.
For page see List of Advertisers.
- Greater New York Florists' Association, 162 Livingston St., Brooklyn, N. Y.
For page see List of Advertisers.
- A. L. Young & Co., 54 W. 28th St., N. Y.
For page see List of Advertisers.
- Charles Millang, 55 and 57 West 26th St.
For page see List of Advertisers.
- P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.
- Frank Millang, New York, N. Y.
For page see List of Advertisers.
- Traendly & Schenck, New York, N. Y.
For page see List of Advertisers.
- Badgley, Riedel & Meyer, Inc., New York
For page see List of Advertisers.
- A. Moltz & Co., New York, N. Y.
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- Siebrecht & Siebrecht, 136 West 28th St., New York.
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Philadelphia

- Leo. Niessen Co., 1200 Arch St., Phila., Pa.
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- The S. S. Pennock-Meehan Co., 1608-12 Ludlow St., Philadelphia, Pa.
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Rochester, N. Y.

- George B. Hart, 24 Stone St.
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New Offers in This Issue.

FREESIAS.

- Wm. Elliott & Sons, New York, N. Y.
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KILLARNEYS, AMERICAN BEAUTIES, ASPARAGUS PLUMOSUS.

- L. B. Coddington, Murray Hill, N. J.
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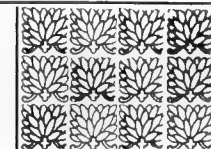
MYOSOTIS "RUTH FISHER."

- Henry F. Michell Co., Phila., Pa.
For page see List of Advertisers.

Advertise Your Stock In Horticulture



If you could figure up how much business you do not get because someone had forgotten your address or 'phone number, or because someone did not know you had what they wanted you would be surprised at the amount you had lost.



Advertise Your Stock In Horticulture and Stop This Leak

CABBAGE KEPT FREE FROM WORMS.

DRAKE'S GARDEN.

East Brookfield, Mass., Jan. 14, 1905.

We have used **Slug Shot** and always found it very useful. Our potato crop yielded 200 bushels to the acre. **Slug Shot** for Cabbage Worms is the best defense in the world.

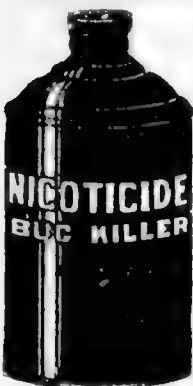
Very truly, F. A. DRAKE.

Cabbage Worms.

The Cabbage Worm has spread wherever cabbage is grown. Whether early cabbage or late cabbage, in garden or field, it perforates the plant, and is of all worms one of the most disgusting, to find hidden away in the folds of the leaf.

IF YOU WANT CABBAGE FREE FROM WORMS, USE HAMMOND'S SLUG SHOT.

How to Destroy Cabbage Worms.—**Slug Shot** can be used lightly or heavily and the cabbage suffers no harm. The cabbage forms its head by the interior growth; it throws off its earlier and outside leaves, and no dust can enfold within its head. Apply **Slug Shot** with a Duster (see illustration), sieve it over the plants or full grown cabbages. The powder is very fine and goes a long way in field or garden.



The Best
Bug Killer and
Bloom Saver

For PROOF
Write to

P. R. Paltothorpe Co.
OWENSBORO, KY.

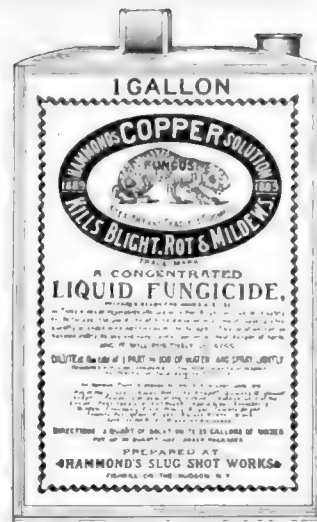
NEWS NOTES.

Chicago, Ill.—An addition that will about treble the capacity of its iron-working plant is being made by the Foley M'fg. Co.

Montgomery, Ala.—The Fernhill Greenhouses will now be known as the Morningview Floral Co. The houses are to be moved to Evergreen street.

Framingham, Mass.—W. R. Nicholson has bought the greenhouse property and business of his father, William Nicholson. He will do considerable renovating and rebuilding, and will develop the plant into a first-class carnation establishment.

Port Jefferson, Long Island, N. Y.—Liberty Gardens has been incorporated with capital stock of \$10,000 by Arthur S. Greene, president; Henry E. Weekes, superintendent and manager; and Lavinia W. Greene, vice-president. The object is to produce vegetables, salads, fruits and flowers every day in the year. The present acreage is 14, but this will be increased from time to time. They expect to be ready for business about August 1. The true French intensive system will be followed and careful records will be kept to account for each foot of land and what it yields in profits. It is believed by

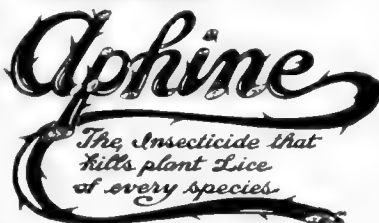


To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

Use any form you choose but buy it of

E. H. HUNT, 131 N. Wabash Avenue, Chicago



"FUNGINE"

Westerly, R. I., June 28, 1911.

"We have given your Fungine a fair test and believe it to be alright. It seems to check mildew and from what experience we have had so far we believe that it will prove valuable in fighting this particular trouble."

S. J. REUTER & SON, Inc.

Metalrie Ridge Nursery Co.,
Harry Papworth, Pres.

New Orleans, La., June 13, 1911.

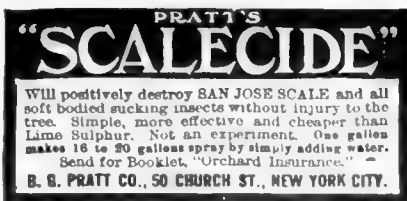
"Replying to your favor in regard to Fungine, we are pleased to say that we have found it a fine fungicide, especially on our chrysanthemum cuttings, and all cuttings generally. Also fine for mildew on roses. It is the best fungicide we have ever used."

METAIRIE RIDGE NURSERY CO.

FOR SALE BY SEEDMEN

MANUFACTURED BY

APHINE MANUFACTURING COMPANY
MADISON, N. J.



the incorporators that America must eventually come to intensive gardening and they hope to help to hasten the day by training men for this special branch of work and aiding them in every way possible.

Imp Soap Spray

Clean and odorless. Forms invisible films.
Non-corrosive. Usual effective strength, one to thirty-two.

Guaranteed under Food and Drug Act 1910.

Single gallons, \$1.50
In barrels, \$1.00

Eastern Chemical Company

Pittsburg Street
BOSTON



Wilson Plant Oil & Fertilizer Company

150 Nassau Street, NEW YORK CITY
Horticultural Supplies

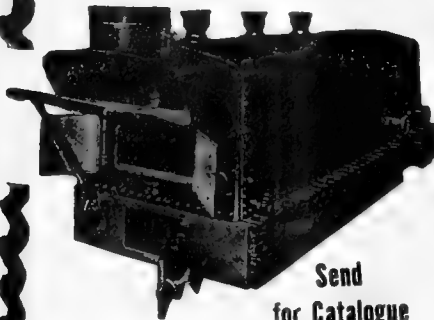
Write for our special Catalogue

Cocoanut Fibre Soil

Do you know what this is?
Can you afford to remain ignorant?
It costs \$3 for you. Write for sample
to Agents wanted.

20th Century Plant Food Co., Beverly, Mass.

What the Users say



Send
for Catalogue

USE KROESCHELL BOILERS AND KROESCHELL GENERATORS
AND PIPING SYSTEM: SATISFACTION GUARANTEED.

"Received your inquiry of the 9th inst. in regard to Kroeschell Generator purchased from you. We can safely say that without your Generator it would be almost impossible to heat our houses with any degree of safety, as our expansion tank is but 18 inches above the highest pipe line, and we had No Trouble Whatever in keeping the required temperature during the recent cold spell, with the thermometer at 12 degrees below zero. We are glad of the opportunity to recommend your Generator, Boiler and Piping Plans to our fellow florists, knowing that when placed as directed they will give perfect satisfaction. We Did Our Own Piping, and none of us ever had any experience in that line before.

NORTH FLORAL CO., FORT DODGE, IA.

KROESCHELL BROS. CO., 466 W. Erie St., Chicago, Ill.

FOR "POT LUCK" TRY US... HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

WRITE FOR CATALOGUE AND DISCOUNTS

Pearson Street,

LONG ISLAND CITY, N. Y.

A. H. HEWS & CO., Inc.

Main Office and Factories
CAMBRIDGE, MASS.



USE Advance

machines in your houses and forget all your ventilating troubles. The children can operate them. Just what you want.

Our new catalogue J thoroughly describes and illustrates our new arm, also the rest of our line. Get one, it will interest you.

ADVANCE CO., Richmond, Ind.

OUR NEW TWIST-LESS ARM

Note the simple construction. One bolt securely fastens it to the shafting pipe. Easy to set up.



PATENTS

Trademarks and
Copyrights

Send your business direct to Washington. Saves time and insures better service. Personal attention guaranteed. Twenty-five years' active service. SPECIALTY: "Working on the Failures of Others."

SIGGERS & SIGGERS

PATENT LAWYERS

Box 9, National Union Building
Washington, D. C.



DREER'S
Florist Specialties.
New Brand New Style
Hose "RIVERTON"

Furnished in lengths up to 500 ft. without seam or joint.

The HOSE for the FLORIST
1/2-inch, per ft., 15 c.
Reel of 500 ft., " 14 1/2 c.
2 Reels, 1000 ft., " 14 c.
1/2-inch, " 13 c.
Reels, 500 ft., " 12 1/2 c.
Couplings furnished.

HENRY A. DREER,
714 Chestnut St.,
PHILADELPHIA, PA.

PATENTS GRANTED.

- 995,657. Plant Protector. Joseph Bolt, Brooklyn, Fla., assignor to the United Paper Company, Atlanta, Ga., a Corporation of Ohio.
995,861. Pneumatic Pipe Coupling. James Edward Gleason, Lockport, Ill.

NEWS NOTES.

Peoria, Ill.—The Kipler Greenhouses have been purchased by Frank Jera-bek.

Appleton, Wis.—Mr. Scee-ker has purchased Nicholas Ney's two green-houses and about 9 1/2 acres of land.

Philadelphia, Pa.—The Ford & Ken-dig Co. have moved their offices to Twenty-fourth and Wood streets.

IRON VASES



Made with reservoir containing sufficient water to last 10 to 15 days. Desirable for lawns, invaluable for cemeteries. Thou-sands in use.

Over 100 styles and sizes
\$3.00 to \$75.00 each

Write for price list to

WALBRIDGE & CO.
BUFFALO, N. Y.



Write for Catalogue

Tree tubs and brass hoop Jar-diniers with extension stave foot, sold by FOTTLER, FISKE, RAWSON CO. Boston

The American Wooden-Ware Mfg. CO.,
Toledo, Ohio, U. S. A.

STANDARD FLOWER POTS

If your greenhouses are within 500 miles the Capitol, write us, we can save you money

W. H. ERNEST

28th & M Sts.,

Washington, D. C.

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 2 1/2 in. pots in crate \$4.88	144 6 in. pots in crate \$3.86
1500 2 1/4 " " " 5.25	120 7 " " " 4.00
1500 2 3/8 " " " 6.00	60 8 " " " 3.00
	HAND MADE
1000 3 " " " 5.00	48 9 in. pots in crate \$3.60
800 3 1/2 " " " 5.80	48 10 " " " 4.00
500 4 " " " 4.50	24 11 " " " 3.60
456 4 1/2 " " " 5.24	24 12 " " " 4.80
320 5 " " " 4.51	12 14 " " " 4.80
210 5 1/2 " " " 3.78	6 16 " " " 4.50

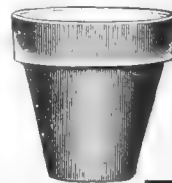
Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address

HILLFINGER BROS., Pottery, Fort Edward, N.Y.
August Reiker & Sons, Agts. 31 Barclay St., N. Y. City.

Syracuse Red Pots

"A little pot is soon hot," likewise a thin pot. This will save you fuel. Our pots are the thinnest and toughest owing to the superior quality of the clay.
New price list on application.

Syracuse Pottery Co., SYRACUSE, N. Y.



ALL THE CLAY
FOR OUR
Florist' Red Pots
is prepared by passing
through a screen 1600 meshes
to the square inch. If in a
hurry for pots, order from us.
THE PETERS & NEED POTTERY CO.
Zanesville, Ohio

LOUISIANA RED CYPRESS GREENHOUSE MATERIAL

STEEL CUTTERS, TRUSSES,
PURLINS, PIPE, FITTINGS, GLASS,
Etc.

PRIVATE AND CONSERVATORY
WORK A SPECIALTY.

The Foley Manufacturing Co.
Western Ave. and 26th St., CHICAGO

GLASS

Cheap as Dirt

Have you had any prices on greenhouse glass, lately?

Write us at once for our quotations. We'll surprise you.

Take advantage of the drop and book orders for future deliveries.

Our glass all new and fresh from factory.

Hot-bed sash and greenhouse material, dropped too.

PARSHELSKY BROS., INC.
59 Montrose Ave., BROOKLYN, N. Y.

CYPRESS SASH BARS
32 feet or longer
HOT BED SASH

PECKY CYPRESS BENCH LUMBER

GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

The A. T. STEARNS LUMBER CO.
NEPONSET, BOSTON, MASS.



MASTICA
FOR Greenhouse Glazing
USE IT NOW.
F. O. PIERCE CO.
12 W. BROADWAY
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

GREENHOUSE CONSTRUCTION LUMBER

John C. Moninger Co.
117 E. Blackhawk St., CHICAGO.

The FLORISTS' HALL ASSOCIATION
OF AMERICA, insurer of 32,500,000
sq. ft. of glass. For particulars address
John C. Esler, Sec'y Saddle River, N. J.

DON'T PUT IT OFF

A GOOD GREENHOUSE WILL
MAKE MONEY FOR YOU, BECAUSE
YOU WILL BE ABLE TO GROW
THINGS WELL, AND THAT
SHOULD BE YOUR AIM, FOR GOOD
FLOWERS BRING THE GOOD
PRICES.

KING GREENHOUSES

FILL THIS REQUIREMENT FOR
THEY ARE CAREFULLY STUDIED
AND SCIENTIFICALLY DESIGNED,
TAKING INTO CONSIDERATION
ALL THE CONDITIONS IN A
GREENHOUSE. SEND FOR BUL-
LETINS AND QUESTION BLANK.

KING CONSTRUCTION CO.

HOME OFFICE AND WORKS
North Tonawanda
N. Y.

EASTERN SALES OFFICE
No. 1 Madison Avenue
NEW YORK

STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St.

BOSTON, MASS.

61-63 Portland St.

SHARP, PARTRIDGE & CO.

Are Leaders in

GREENHOUSE GLASS

OUR PRICES WILL PROVE THIS.

CHICAGO, ILL.

BOSTON PLATE & WINDOW GLASS CO.

GREENHOUSE GLASS

GERMAN AND
AMERICAN

261 to 287 A Street

BOSTON

20 to 22 Canal Street

Greenhouse Material and Sash

Of Every Description

Get our Prices and Catalogue.

S. JACOBS & SONS

1359-1385 Flushing Ave.

Est. 1781.

BROOKLYN, N. Y.

Holds Glass
Firmly

See the Point AT

PEERLESS

Glazing Points are the best.
No rights or lefts. Box of
1,000 points 75 cts. postpaid.

HENRY A. DEER,
714 Chestnut St., Phila., Pa.

FULL SIZE
No. 2



TO BUYERS

Patronize our advertisers, they will treat you right



Maine

THE

Potato State

Buys the Best; There Is in Greenhouses

MAINE

For years Maine has been noted for her potatoes—no state in the Union now grows as fine or makes such a wholesale business of it.

She buys a goodly number of L. & B.'s complete "Iron Framers." This one of D. C. Blair's at Bar Harbor, Me., is but one of a dozen or more others right around in that section that have been sold comparatively recently by our Boston Office.

From Irvington, N. Y. to Bar Harbor, Maine, seems a long way to ship materials for a greenhouse, but Baton Rouge, Louisiana; Colorado Springs, Colorado; Los Angeles, California and such, don't stop for distance when they want one of our superior houses for superior purposes—so why should Maine.

The freight for such a distance is not such an item as you might think, as it is actually paid on finished materials only—materials that are all cut and ready for immediate erection. No large excess of cypress is shipped to be cut and wasted on the job as is the usual way—no excess of iron to be worked out by rule of the thumb measurements. The exact things needed are sent exact. They are made exact at the factory. Mention these facts to your employer; they are bound to impress him.

We are turning out over two houses a day at our factories but they have room for that one of yours. Send along the particulars and see if we can't work together and get things started.

Lord & Burnham Company,

FACTORIES: IRVINGTON, N. Y.
DES PLAINES, ILL.

NEW YORK
St. James Building

BOSTON
Tremont Building

PHILADELPHIA
Franklin Bank Building

CHICAGO
Rookery Building

HYDRANGEAS

FOR SUMMER FLOWERING

LARGE PLANTS IN TUBS FOR JULY AND AUGUST FLOWERING

We have an unusually fine lot of hydrangeas, which have been held dormant all winter. These plants will begin to bloom the end of June or early in July, and are in fine shape for flowering during July and August. We can furnish these plants in ordinary tubs at \$2.00 and \$3.00 each.

Plants in new cedar tubs painted green, with handles, as follows:—

Well budded plants in 14-inch tubs, \$3.00 each
Well budded plants in 16-inch tubs, \$4.00 each
Well budded plants in 18-inch tubs, \$5.00 each

FERNS

We have an exceptionally fine lot of Boston Ferns of the Harrisii type and a splendid lot of Pierson Extra fine plants, \$1.00 each.

Ferns, good and bushy well-grown plants in 8-inch pots that will please the most critical buyer.

MISCELLANEOUS BEDDING PLANTS

ABUTILON SAVITZI. 3½-in. pots, \$8.00 per 100.
AGERATUM. Blue and white. 2¼-in. pots, \$2.50 per 100.
ALTERNANTHERA ROSEA AND AUREA NANA. 2¼-in. pots, \$3.00 per 100.
ASPARAGUS SPRENGERI. 2¼-in. pots, \$3.00 per 100.
BEGONIA VERNON. 2¼-in. pots, \$3.00 per 100.
CALADIUM ESCULENTUM. Strong started plants, \$5.00 per 100.
CANNAS. Beaute de Poltevine, Florence Vaughan, Buttercup, Mlle. Berat, Robert Christie, Souv. d'Antoine Crozy, Roballion, Frederick Benary, L. Patry, etc. Strong potgrown plants, \$5.00 per 100.

CROTONS. Fine assortment, 3½-in. pots, \$25.00 per 100; 5-in. pots, \$6.00 to \$9.00 per dozen—according to size.
GERANIUMS. Double Grant, Trego, S. A. Nutt, Marquis de Castellane, Double Dryden, Jean Viaud, etc. Strong plants, 4-in. pots, \$7.00 per 100.
HELIOTROPE. 2¼-in. pots, \$3.00 per 100.
LEMON VERBENAS. Extra strong plants, 2¼-in. pots, \$6.00 per 100.
NASTURTIUMS. Fine plants in bloom, 3-in. pots, \$5.00 per 100.
PANDANUS VEITCHI. Fine plants, \$3.00 to \$5.00 each.
PETUNIAS. Single mixed, 2¼-in. pots, \$3.00 per 100.
SALVIAS. 2¼-in. pots, \$3.00 per 100.

F. R. PIERSON COMPANY,

Tarrytown-on-Hudson,
NEW YORK

HORTICULTURE

Vol. XIV. JULY 15, 1911 No. 3



A RHODODENDRON SHOW
At Hall of the Royal Horticultural Society by John Waterer & Sons.

*Devoted to the
FLORIST, PLANTSMAN,
LANDSCAPE GARDENER
and
Kindred Interests*

*Published
EVERY SATURDAY
At 11 Hamilton Place,
BOSTON, MASS.
Subscription, \$1.00*

U KNOW US**LET'S KNOW U**

Our Famous Wheat Sheaves

Are profitably handled by the KNOWING FLORISTS, who appreciate GOOD, FULL SHEAVES. Made by our PATENTED PROCESS of the BEST ITALIAN WHEAT right in our OWN FACTORY.

They are the "Rice Standard" that's "Nuf Ced."

Prices from 50c. per dozen upwards. Send us your next order. You will be PLEASED.

KATALOG for the asking.

The Leading Florists' Supply House and Ribbon Specialists

M. RICE & CO., 1220 Race Street,
Philadelphia, Pa.

Manufacturers — Importers — Originators

ORCHIDS

Greatest quantity and variety in the country. Established and freshly imported. Also material in which to grow them.

Write for special list and catalogue.

LAGER & HURRELL, SUMMIT N. J.

ORCHIDS

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Lilium myriophyllum

LILIAM MYRIOPHYLLUM Mr. E. H. Wilson, the famous plant collector, collected for us the bulbs now offered, in North-western China. He considers this the finest of all lilies. It is absolutely hardy, and is excellent for forcing. It has been predicted that this will become the Easter Lily of the future, and being so hardy, may be grown at home. The flowers are white, slightly suffused with pink and with a beautiful shade of canary yellow at the centre, and extending part way up the trumpet. It is delightfully perfumed, reminding one of the jasmine, and lacking the heavy oppressive odor of most lilies. Blooms out of doors early in July.

Orders booked now for October delivery. Bulbs each, \$1.50; dozen, \$15.00.

LILIAM LEUCANTHEMUM The bulbs offered were also collected by Mr. Wilson. This is one of the strongest growing lilies, frequently attaining a height of six to eight feet. The flowers vary in number from five to ten on a stalk and in size and shape resembling *Lilium Harrisoni*, greenish white shaded purple on the outside, and of the purest white within with a tint of citron in the centre. The flowers have a pleasing fragrance. This lily will undoubtedly be largely used for outdoor planting as well as for forcing. Many consider it the finest of all tubular-flowered lilies. It flowers somewhat later than *Lilium myriophyllum*, and being of larger growth, has a distinct place.

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Seasonable Notes on Culture of Florists' Stock

CHRYSANTHEMUMS

Those plants that were benched during May will be benefited by some sort of nourishment now. This can be supplied in the form of bone meal and about half an inch of some well-rotted cow manure. This will help to keep the beds from drying out so often and keep the roots much cooler. Where pot plants are well filled with roots, feeding can be commenced. Use weak doses of cow or sheep manure, to which some soot has been added; this will make the foliage a fine dark green while also affording good food for the plants. It is necessary during this hot weather to give copious and frequent syringings to keep the temperature down as much as possible. Buds can be taken on most of all the early kinds after the first week in August. This would include Golden Glow, Monrovia, October Frost, Bergman, Mersthan Yellow, Merry Monarch and Alice Byron. Polly Rose, Glory of the Pacific and Virginia Poehlmann should not be taken before the 20th of August as they produce only poor flowers if taken earlier. Plants in the late houses should be encouraged to make all the growth possible now. If any buds appear from now up to September they should be pinched off. If mildew is prevalent use sulphide of potassium—half ounce to a gallon of water and spray over and under the leaves.

HOUSING CARNATIONS

It is well to bear in mind, when lifting the plants from the field, to remove them as quickly as possible to some place where they have some protection from the hot sun and dry winds. If you have plenty of plants select only the best and most shapely for benching. When planting make a hole with a trowel large enough to allow the roots to have a proper spread, and set the plants just a little higher than they were in the field, as a preventive for stem rot. Give a firm pressing around each and every plant. Shade your house with something that will come off in ten or twelve days. After the fourth day remove a little each day so that in either ten or twelve days the plants will be able to stand full sun. As soon as you have 50 or 60 feet of bench planted give each plant a good watering. Keep your house rather close for the first ten days and spray two or three times a day until the plants have taken hold of the sod, when spraying should be reduced to normal. Keep on plenty of ventilation for it is a necessity in securing sturdy short-jointed growth.

HOLLYHOCKS

Now is the best time to start a liberal lot of these useful plants. You can either sow seed outdoors or in a cold frame. Where you have the latter at command it will prove the best, for you can give shade until the seeds have germinated and, with watering during dry weather and little care generally they will grow vigorously until the fall. Give the ground where they are to be planted out a good quantity of well rotted manure and work it in by a deep digging, as they like a deep soil with plenty of manure. It is better not to plant these seedlings out until next spring, but winter them over in a cold frame. During three or four months of the severest winter weather they should be protected with glass sash.

LORRAINE BEGONIAS

From now on keep all flowers pinched off and stop any runaway shoots. Give the plants a place quite close to the glass which should not be too heavily shaded.

Where it is possible give them shade during the hottest hours of the day with a lattice that can be removed after 3 or 4 P. M. and need not be put on until 9 o'clock in the morning or may be left off entirely during dull and cloudy days. Keep the air humid by wetting down the paths and beneath the benches; this will give tone to the foliage. When the plants begin to crowd give them a fresh stand with plenty of room between each for light and air. Ventilate so as to avoid any sudden fluctuations in the temperature. Give them a shift before they become pot-bound until you have them in their flowering size. Use a compost of equal parts of fibrous loam, leaf mold, and well decayed cow manure.

ONCIDIUMS

These are good orchids to grow commercially, especially *Oncidium varicosum Rogersii* which has become very popular with florists. Give this oncidium plenty of air at all times during the summer months and to insure an abundance of atmospheric moisture wet down the benches, paths and walls three or four times daily during very hot and dry days. From now until October use some shading material, but not too heavy, as these orchids like an abundance of light, without being exposed to the full sun. Permit the plants to dry out occasionally so as not to let them get "sour," but don't let them remain dry for any length of time. A good plan is to go over them about three times a week and take them down, as watering with the hose is not always satisfactory. Then those that are dry can be dipped in a tub of water, a method which always properly moistens the compost. In bright weather give syringing overhead once or twice a day. It is well to remember that all varieties delight in being as near the glass as practicable.

PERENNIAL LUPINES AND LARKSPURS

These stately and gorgeous herbaceous perennials are always in demand. It is not too late to sow a batch of seed now in a coldframe for they will germinate very soon. Don't be in too great a hurry to transplant—that is if the stock is not too crowded, for they can stand quite a while without suffering, as long as you keep on cultivating between the rows and keep the weeds down. A slight shade to protect them against the noonday sun will do good, but full exposure to the sun the rest of the day, with proper watering and cultivating, is best. *Lupinus polyphyllus*—both the blue and white—are good. Of the tall delphiniums, *formosum* and *formosum celestinum* are fine. In addition it is well not to forget the dwarfier growing Chinese delphiniums as they are fine also.

ASPARAGUS SPRENGERI

A narrow bench running along the front or the rear of a well-lighted house is the proper place to grow this decorative green. It can also be grown in suspended or in raised receptacles and will give a valuable lot of green to cut from when grown this way. Give it where possible at least 10 inches of soil as it wants lots of root room. A soil that will grow roses will be all right for it but you can make it richer as they require the richest kind of soil to grow good. It will do finely in a temperature of about 55 degrees at night, or a little higher with plenty of moisture at its roots and with a reasonable amount of freely circulating fresh air. When the roots have filled their benches, boxes, or baskets they should have regular potations of liquid manure.

GLIEN FOR FALL.

Now is a good time to secure and start up a batch of retarded *Lilium longiflorum* and *speciosum*. They will come into flower when flowering stock is com-

paratively light. There is a fairly constant call for these choice lilies, especially for funeral work. Use 6 or 7-inch pots and let them start in as cool a place as you may have, to develop good root action before the tops start. A good place to put them is on a cool cellar floor. Water them whenever they seem dry and when the growth show above the pots give them a place where they will have full light. Be on the watch for aphids so that they will not get a foothold, or the result will be deformed and discolored blooms.

John J. M. Farrell

Mr. Farrell's next notes will be on the following: Callas; Mulching Mixture; Pansies; Painting and Repairing; Rambler Roses; Solanums.

Summer Flowering Orchids

The accompanying picture shows some of the summer-flowering orchids now in bloom among the Duke's Park collection, at Somerville, New Jersey. The group is made up of such species as *Cattleya Gaskelliana*, *C. gigas*, *C. Harrisoniana*, *C. Mendelii* and *C.*



GROUP OF SUMMER FLOWERING ORCHIDS

Warneri, with *Oncidium crispum*, *O. Forbesii*, and *O. citrosmum*, and *Epidendrum vitellinum*, all of which when arranged together make a pleasing group.

The other picture is a *Digbyana* hybrid, cross between *Brassavola Digbyana*, and *Cattleya Mendelii*, usually called *L-C. Digbyano-Mendelii*, and which I think is one of the best, if not the best of all the *Digbyana* crosses. The two flowers shown here are pure white except for the throat, which has the markings as in the *Mendelii* throat. The flowers each measure $9\frac{1}{4}$ in. across, and the lip 4 in. at widest part, with a very heavy fringe.

Now that the summer months are here and the sun is about as hot as it will be, and most of the fall and winter flowering orchids have their new growths coming along, great care should be taken to protect them from the direct rays of the sun. The *C. Percivalianas* and *Trianaes* will be more advanced than *Schroderae*, and root action will be more free with them. Therefore they should never be allowed to dry out so as to cause the plant to suffer. Again we very often find, where the plants have a quantity of young roots on the surface of the peat, that they are very often eaten by snails, and if not looked after the snails will soon clean

the young growth of all its roots. While there are many ways to catch the snails, I always claim that it is far better for one to look over his plants at night as this is the time the snails get their work in. Although it may take a little extra time, it will pay in the end where snails are bad, for a few nights of going over will soon do away with a lot of them.

Phalaenopsis will be making new leaves now, and should be kept growing and given all the light you can without burning them. As the young leaves keep pushing up an outlook should be kept for any injurious insects, as they are very tender. A little time taken each morning to look over each plant will go a long way to make them a success. Just as soon as the *C. Gaskelliana*, *Mendelii*, and *gigas* are through flowering, would be the best time to repot or top dress them as needed.



L-C. DIGBYANO-MENDELII

Gigas should be as near the light as possible and kept a little on the dry side after potting, as they seem to break better after a short rest.

William Shaw

Forcing Strawberries

Editor of HORTICULTURE:

Dear Sir:—I read with interest your notes by G. H. Penson on varieties of strawberries for forcing.

Marshall is my best early. *Excelsior* is best with some of my neighbors. *Commonwealth* is an extra good second early. For late forcing *Goldsborough* will be found very satisfactory. The long foot stalks enables it to hold the fruit away up and out from the pot so that you can spray longer to keep clear of red spider without causing loss of fruit by damping.

Stamford, Conn.

W. M.

THE BURPEE EXHIBIT AT THE SWEET PEA SHOW.



The illustration herewith presented gives some idea of the superb sweet pea exhibit made by W. Atlee Burpee

& Co., at the recent show in Philadelphia. The picture shows only about one-fifth of the length of the display. It is not possible to do justice to such

an arrangement in one photograph. The colors were beautifully contrasted and harmonized but this, of course, must also be left to the imagination.

A FEW OBSERVATIONS ANENT SWEET PEAS.

By Edwin Lonsdale, Lompoc, Cal.

To the Officers and Members of the National Sweet Pea Society of America:

We are all aware that the Sweet Pea by its own intrinsic worth has forged to the front and now heads the list among annual flowers; aided to some extent, of course, by its numerous ardent admirers.

The Sweet Pea is rarely out of place, and is almost equally at home, blooming in the city yard, as it is in the more pretentious gardens of the suburbanite or on the broader acreage, further afield, among the more wealthy. The late and highly respected Henry Eckford is everywhere accorded the honored title of "The Father of the Sweet Pea," having by painstaking and well-directed effort, in cross-fertilizing and selecting, improved it in many of the great essentials, which include size, color, and form, but it was the advent of that beautiful variety, Countess Spencer, which marked the greatest advance in the modern sweet pea; and, its tendency to "sport," or vary, which this modern type has a predisposition to do, is not the least among its interesting qualities. Someone has said that this sportive tendency "is a blessing in disguise," and I believe it. Most assuredly it has added zest to the growing of sweet peas generally in recent years, for many enthusiasts in these days are continually on the lookout for new color shades, new color combinations and an additional eighth of an inch to the standard!

The tendency that the modern sweet pea has to throw sports has caused many enthusiasts to observe more closely for color and other variations, and thus added materially to their pleasures in sweet pea growing. We hear sometimes the "carping critic" bewailing the fact that there are too many varieties, and some have gone

so far as to take the trouble of preparing lists of too-much-alike varieties, but we must always bear in mind that each color selection frequently has characteristics all its own which is often influenced by different soil or climatic conditions, so that it behooves us to try all varieties and hold on to those which answer our own individual purposes best.

Florists everywhere find sweet peas, both in the winter season and also when grown outdoors in summer time, always useful to cut from, and never out of place, and the newer "Spencers" with their larger and more wavy standards lend themselves most gracefully to all floral art; and, besides, this type also has another advantage for garden and floral decorations on account of its failing to set seed so freely as does the older grandiflora types, thus prolonging its season for producing flowers.

Among crimsons nothing in general cultivation is superior to King Edward Spencer, as it lights up so well under the influence of artificial light at night. For a delicate pink, the best selection of the original Countess Spencer is still one of the very best. For maroon, Othello answers the purpose well. White Spencer is one of the best in that color, and for a cream, Primrose Spencer at its best is at the head of the list. So far as I have seen in the light lavender color shade there is nothing better than the newer Florence Nightingale.

The foregoing list is of course recommended for outdoor growing in summer time. For winter blooming an entirely distinct type is made use of, among which may be mentioned: Earliest White, or Florence Denzer, and Mont Blanc. For cream, Earliest Sunbeams is good. Christmas Pink or re-selected Earliest of All Blanche Ferry are quite popular among the pinks, and for rosy lavender Mrs. Alex. Wallace, and for violet purple, Le Marquis is grown. The winter blooming class is not of the Spencer

type, but these I am reliably informed are on the way to arrive quite soon.

The crops of sweet peas seeds at this writing are quite uncertain, especially at Floradale, where on account of weather conditions planting was from four to six weeks later than in 1910.

CARE OF WASHINGTON TREES.

While the elm tree beetle and the caterpillar have been exceedingly numerous in the district this summer the district superintendent of trees and parkings has waged a vigorous campaign against them, and one of the most successful ones in years. The trees certainly are in better condition than they were a year ago. Some 7000 elm trees have been sprayed twice with arsenate of lead, applied by means of a 400-gallon sprayer, which has been added to the apparatus at the disposal of the park superintendent. Moreover, all the linden trees have been sprayed twice, and it is expected that there will be additional sprayings. Last year many trees were also denuded of foliage, which was entirely skeletonized so that the trees afforded no shade. No trees are in that condition this summer. The cost of the spraying has been but a trifle more than 8 cents a tree. Many caterpillars have been prevented from climbing up the tree trunks by bands of pitch applied to the trees, and men with gasoline torches have destroyed many of the pests.

F. J. DYER.

Utica, N. Y.—Wm. Matthews, the orchid specialist of Central New York, has refused a big offer for a rare white *Cattleya gigas*. He recently sent a splendid specimen to the Royal Gardens at Windsor. Although arrived at the age when most successful sons of Flora retire on their laurels, this veteran orchidist may be found constantly among his pets, which provide him with profitable recreation.

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stantiated (of which we have no doubt) this new-comer is destined to fill a large place, not only in garden work but as a florists' forcing bulb. It furnishes a welcome variation from the ever-present longiflorum and without the overpowering odor which is so serious a drawback to the use of many otherwise elegant lilies for indoor decorations. *Myriophyllum* is now in full bloom outdoors and seems to take most kindly to New England climatic conditions. The offer of this lily and its companion *leucanthemum*, is, we believe, the first exploitation commercially in America of the Wilson Chinese introductions.

A hibiscus

show

We have been much interested in the account given in the Pacific Commercial Advertiser of Honolulu of what was practically the first flower show in the Hawaiian Islands, held on June 28 last. One would have to do some guessing before arriving at the facts as to the flower to which the show was devoted, which was none other than the hibiscus, of which we are told that over two hundred distinct varieties were staged. Among them were a score of imported varieties and a very small part of the balance were indigenous to Oahu, the great majority being the result of the careful labors in hybridizing and crossing on the part of the local hibiscus enthusiasts who, it would seem are as zealous in this particular line as, for instance, our own sweet pea devotees are in theirs. Over two thousand people visited the show between 11 A. M. and 4 P. M. Now that it is called to our attention, why not give this gorgeous flower a chance in our exhibitions here? Few subjects present better possibilities.

We hope that the interests of the florists and ornamental horticulturists in the proposed national inspections laws and interstate quarantine will not fail of careful consideration

at the coming S. A. F. convention in Baltimore. The Nurserymen's Association has been following up this matter with commendable persistency, through its hustling legislative committee of which Wm. Pitkin is chairman. We regret that the space at our disposal will not permit of our publishing the interesting report made by Mr. Pitkin at the recent convention of nurserymen at St. Louis. There is much in it that should have deep consideration by that section of the trade which *HORTICULTURE* particularly reaches and some plan of action in co-operation with the Nurserymen's Association should be entered into by the S. A. F. The bill introduced by Representative Simmons of Niagara Falls and now in possession of the committee on Agriculture, to regulate the importation and interstate transportation of nursery stock and to enable the Secretary of Agriculture to establish and maintain quarantine districts for plant diseases and insect pests, is only one of the many propositions, local and otherwise, in which the welfare of the horticultural interests is vitally affected. Field grown florists' stock, seeds of fruit and ornamental trees and shrubs, plants, cuttings, grafts, and all included in the provisions of these bills and in the matter of interstate quarantine the florists have surely as much at stake as the nurserymen and their apathy under the circumstances seems incomprehensible. Get busy before it is too late.

In our advertising department will be coming the first offer in America of *Lilium myriophyllum*, that beautiful hardy lily which its collector, E. H. Wilson—does not hesitate to call the best of all the lilies. If a lily is claimed for its introduction should be sub-

A notable
introduction

Obituary.

Wm. A. Woodward.

On Sunday, July 2nd, Wm. A. Woodward, Sr., of the seed firm of Wm. A. Woodward & Son of Latham, Albany County, N. Y., passed to "that bourne whence no traveler returns." We do not know Mr. Woodward's exact age, but are informed that he was "about" fifty years of age. Though Mr. Woodward was devoted to business, and was the owner of several valuable farms, he found time to devote his attention in a mild way to politics, and was school commissioner for his district for many years. He was a conscientious, upright man, and in all of his dealings with his fellow men aimed to observe the Golden Rule. He was a kindly, home-loving man, and when business did not call him away was always at home.

Those who knew Mr. Woodward best, appreciated his many fine traits of character. He was not a man who made close friendships readily, but went his way, faithfully performing his duties, and caring little what might be said or thought of him. We understand he leaves a widow and two sons. Whether they will decide to continue the seed business or not has not been learned, but to them we extend our heartfelt sympathy, and if we may be pardoned, the hope that the sons may emulate the virtues of their highly esteemed father, and wish them the highest measure of happiness and success.

Charles J. Marc.

Charles J. Marc, well-known among the florist trade of New York for many years as a grower of roses, azaleas, etc., died suddenly at Washington, D. C., on July 5, from neuralgia of the heart. "Charlie" Marc was an adopted son of the late Gabriel Marc whose place at Woodside, Long Island, he managed and whom he afterwards succeeded in business. The establishment was originally one of the most noted, many imported novelties having been first shown there, among them being the *Dielytra* (*Dicentra*) *spectabilis*. Mr. Marc married as his second wife the daughter of Mr. Garden of Washington and about ten years ago, having sold his property at Woodside to the Penna. R. R. retired from business and moved to Washington where he has since resided. He was born in Switzerland.

J. A. McPheron.

J. A. McPheron, nurseryman, died at the home of his daughter at Carrollton, Ill., June 22, aged 85 years. Mr. McPheron was a pioneer nurseryman of Carrollton and father of R. A. McPheron, proprietor of the Cottage Greenhouses, Litchfield, Ill., and J. Clint McPheron, florist, of Carrollton.

Paul De Longpre.

Paul De Longpre, who had a world-wide reputation as a flower painter, died at his home, Hollywood, near Los Angeles, Cal., on June 29, aged 59 years.

The members of the trade in and around Cincinnati extend their sin-

cerest sympathy to Tom Hardesty, whose father died the past week, and to Henry Gockel of Ft. Thomas, Ky., whose daughter Stella was buried on Tuesday of this week.

Death has again invaded the family of Frank McMahon, Seabright, N. J. His mother died on Thursday, July 6. The old lady had been in feeble health for a long time. Mr. McMahon buried his wife only a week previous.

THE LIGHTS AND SHADOWS OF THE AUCTION BUSINESS.

R. W. MacNiff, before the New York Florists' Club.

The auction business is as old as the world. Adam bid one of his ribs for the first lady ever known to be on the market, and as there was no opposition, he got her at his own offer. Now, there must be two offers to make a sale legitimate. If anyone else had been at the first garden auction, he and old Adam would be bidding yet. Imagine such a valuable flower as Eve being advertised for sale next Tuesday or Friday! Madison Square Garden wouldn't hold the crowd of florists. The horticultural auction business, you perceive, has the merit of antiquity.

My subject, however, deals with modern plant and flower auctions, and these are full of "lights" and "shadows." The "lights" include the light prices obtained, the limitless field that is developing, the return of humanity to the farm, and the consequent needs of the suburbanite; the joy of being instrumental in fostering a love for the beautiful; the consciousness of sending out our monuments in every direction, knowing that the trees and plants we sell will grow and blossom, and cheer with their perfume and beauty, unborn thousands, after we are safely planted under the daisies.

Then, there is the joy of standing "in the lime light," mesmerizing by voice, and persuasive smile, the multitude; soaking the fresh guys or the wealthy widows with something we see they want, no matter what the cost. These are "real lights" that help to lighten our burdens, and to dissipate the gloom, in our otherwise "shadowy" occupation. There is the light of knowledge we acquire every week; knowledge of plant life; of new varieties; of insects and insecticides, of the frailties of humanity; all most interesting to the inquiring mind. Then, there is the "velvet" in our business; 17½ per cent on every dollar's worth we sell, whether the grower receives the cost of production or not.

Only three or four hours' work a day, and only two days' work a week, the strengthening of our vocal chords, fitting us later on for ministerial work, when the great profits of the auction business inevitably draw too many enterprising opponents into the field! Is it any wonder we grow fat, and our bank accounts increase, and we ride in autos, and life is one sweet song?

But there are two sides to everything and everybody. Listen to the shadows, and then rejoice that you are now in the place Providence intended you should fill; and cease to envy the men who are wasting their

energies and nerves and talents in your behalf.

The path of the auctioneer is not strewn with roses. More likely dead rose bushes—with their thorns pierce his weary feet. His season is limited. If he makes any money he must crowd into weeks the labor that should be spread over months of ordinary toil. He must win and hold his growers against falsehoods and unreasonableness, and misrepresentation—he must be ready to give minutest details of every transaction; he must create confidence in foreign exporters whom he has never seen, and he must be financially strong enough to meet promptly every demand of his shippers. All these clouds must have silver linings, or shadowy indeed is the outlook otherwise.

He must have a deep knowledge of human nature, a memory, so keen that he never forgets a face or name; and tact and patience that preserve a smiling countenance, when his heart is bursting with cuss words and justifiable indignation. All these shadows must be seen and blown away before success is even possible. The auctioneer must keep his temper; and in a word become "all things to all men," if he would win them. His mind must be clear; his physical strength unimpaired—his constitution of iron. He must avoid artificial stimulants; never descend to offensive repartee, always give the retort courteous no matter how his dignity may be imposed upon.

Now, you know some of the shadows that hover over the auction business; and there are many others. There is the late season; with spring lingering long in the lap of winter—the long drought—the late or early Easters—the missent shipments, the express overcharges, the unwatered plants, the careless handling by railroad ignoramus. Then come the long office hours, the burning of the midnight oil, the innumerable details, the unavoidable mistakes, the impatient shippers, the slow collections, the betrayal of confidences, the carelessness of employees. Well! Now you have both sides of the burning subject. Aren't you glad you are not a horticultural auctioneer?

NEWS NOTES.

Highland Park, Pa.—The greenhouses of Mrs. J. Shelley, Philadelphia, are being removed to this place.

Manistee, Mich.—The Kitzinger greenhouses have been purchased by J. T. Harrell, formerly of Winchester, Ind.

Reading, Mich.—T. H. Stevens has moved here from Alvin, Texas. He was formerly of the firm of Stevens & Heller of that place.

Oregon City, Ore.—The greenhouse range of George Betz near here has been leased by George C. Robinson, formerly of the Tousette Floral Co., Portland, Ore., and A. E. Alder.

Newburgh, N. Y.—The Newburgh Floral Co.'s establishment has been given up by the parties who leased it and will again be conducted by the owner, Wesley Wait.

CLUBS AND SOCIETIES

CHICAGO FLORISTS' CLUB.

The regular meeting of the Chicago Florists' Club was held July 6th, and the following were elected to membership: Frank E. Gabler, 3708 Langley avenue; L. Hoeckner, 3810 Grand avenue; George H. Mohr, 31 W. Randolph street; W. Langhout, 31 W. Randolph street. All the officers were in their places, and 39 members present in spite of the hot weather. Allie Zeck, as chairman of the sports and pastimes committee reported progress on the arrangements for the picnic at Erhardt's Grove, Park Ridge, July 23d. Tickets are for sale at all florists' places. It was voted to donate \$35.00 from the club funds to be used for prizes. Committees with the following chairmen were appointed: on refreshments, Harry Philpott; grounds, Michael Fink; dancing, Al. Lehmann; sports, Allie Zeck; ticket collection, H. C. Blewitt.

The transportation committee reported the Monon route selected for the convention trip as far as Cincinnati, and the B. & O. the remainder. The J. C. Moninger Co. sent a communication regarding the revision of the rates on greenhouse material with the Western Classification Co., and a committee was appointed.

M. Barker, George Klehm and J. C. Vaughan were appointed a committee to entertain the delegates to the Railway Gardeners' convention here in August. A vote of thanks was extended to the Milwaukee Florists' Club for their entertainment. A report of the St. Louis Club picnic was given by Geo. Asmus. Steps were taken to advance the interests of Chicago in securing the S. A. F. convention of 1912, and Messrs. Rudd, Foley, Philpott, Pyfer, Winterson, Keimel, Asmus, Martin and A. Poehlmann were appointed a committee.

Walter McGee was given a vote of thanks for a very interesting talk on fertilizers.

FLORISTS' CLUB OF WASHINGTON.

The Florists' Club of Washington met on the evening of July 6 in the grotto back of Gude's floral store, which had been transformed into something bearing a legendary resemblance to a rathskeller, in honor of the occasion. There was a crab feast as the main attraction, and various stunts by members enlivened the evening's proceedings. Edward Schmidt was host at the crab feast. President Elmer C. Mayberry, Secretary O. A. C. Oehmler and others, including some of the visitors from Maryland, made remarks. The club took up and disposed of various details connected with the outing to be held at Huntsville, Md., when the club will open a new amusement park.

One of the principal topics discussed was the prospective visit to Washington by the Society of American Florists during the Baltimore Convention. A committee from Baltimore was in attendance, and arrangements were entered into for the proposed

visit. The Baltimore delegation included Superintendent of Parks N. F. Flitton, Richard Vincent, Jr., William J. Halliday, Robert L. Graham, I. H. Moss, John Terry, Fred Berger, E. A. Seidewitz. Mr. Vincent headed the delegation by virtue of his being president of the Maryland Horticultural Society, and vice-president of the Society of American Florists. There was much enthusiasm over the coming meetings, as well as over the outing set for Wednesday.

FLORISTS' CLUB OF PHILADELPHIA.

As usual, the midsummer meeting of this club was rather slimly attended, partly because of the intense heat, and partly because the members are many of them out of town, and partly because it is hard to get them to attend summer meetings in any case.



WILLIAM SIM

President-Elect, National Sweet Pea Society of America.

Nevertheless, there was a fair attendance to listen to Paul Huebner on "Railroad Gardening," and those who came were not disappointed. The following committees on the coming convention of the S. A. F. were appointed:

Transportation, John Westcott, David Rust, Samuel S. Pennock; hotels, George C. Watson, Robert Kift, Fred Hahman.

J. Otto Thilow announced that the speaker for the August meeting would be Xavier E. Schmitt of Fairmount Park, "Bedding Plants for Park Adornment." Frank M. Ross was elected to membership. The competitive method of selecting a bowling team for Baltimore having fallen through this year, the chairman of the games committee was given power to select a representative team. Many of the members are in favor of taking the boat trip to Baltimore, this being a pleasant variation from the usual method, and one that would be enjoyed by many.

A MADISON SYMPOSIUM.

Monday, July 10, was a warm proposition at Madison, N. J., as it was elsewhere, but a party of about a dozen braved the fierce heat and participated in a very pleasant social time, the principal reason for which was a meeting of the executive committee of the National Association of Gardeners who met for the purpose of signing the Charter granted by the State of New Jersey.

The following named visitors were present: William Kleinheinz, gardener to P. A. B. Widener, Ogontz, Pa.; Thos. Logan, gardener to C. R. Newbold, Jenkintown, Pa.; John H. Dodds, gardener to John Wanamaker, Jenkintown, Pa.; Xavier Schmitt, superintending gardener of Fairmount Park, Philadelphia, Pa.; E. Thathaway, gardener to R. C. Clowry, Tarrytown, N. Y.; Harry A. Bunyard and Wm. E. Maynard of New York, N. Y.; J. Austin Shaw, New York, and William J. Stewart, of Boston, Mass.

The trustees appointed under the Charter are Thomas Logan, Wm. Kleinheinz, M. C. Ebel, Robert Tyson and W. E. Tricker.

It was decided to hold the next convention at Madison, during the time of the Morris County Flower Show, October 26 and 27 next. The Association will contribute several valuable prizes to be competed for by its members. In the meantime a meeting will be held at Horticultural Hall, Phila., on July 17, on the call of the president.

The visitors, after business was completed, inspected the laboratories of the Aphine Mfg. Company, under escort of Mr. Ebel, who entertained them at luncheon at the Madison House and then gave them a ride to the establishment of C. H. Totty, where the fine young chrysanthemum stock was duly admired, thence to the gardens and greenhouses of the beautiful McKay Twombly estate now under charge of Robert Tyson who extended hospitality, and then to the James estate where they were cordially received by Wm. Duckham and Mrs. Duckham at their home after a tour through the well-kept houses and spacious flower garden under Mr. Duckham's guidance. Altogether it was a most enjoyable affair throughout.

CINCINNATI FLORISTS' SOCIETY.

This society held its annual meeting. The officers elected and installed for the following year are: President, Gus Adrian; vice-president, Wm. Murphy; secretary, Alex. Ostendorp; treasurer, E. A. Foster and director, Herbert Greensmith.

The club had as its guest Pres. Philpott and Sec. Pyfer of the Chicago Florists' Club. As is customary with everyone from that town they boosted Chicago and the Chicago Special, which will pass through this city on the way to the convention at Baltimore.

The outing committee, consisting of Chas. H. Hoffmeister (chairman), Al. Sunderbruch and Ray Murphy, gave a general outline of the program for the outing at Coney Island, July 20. There

will be a boys' ball game in the morning before luncheon; in the afternoon races for all classes, tug of war, bowling and baseball. Official program will be ready within a few days.

AMERICAN ROSE SOCIETY.

Following the Boston Flower Show, the Secretary of the American Rose Society suggested the desirability of preparing an accurate list of the roses of American origin for permanent record. One of the roses exhibited at Boston and which has been filed with us is the Madison, originated during the year 1906, the parentage being a cross between the Pearl, Bride and Meteor.

There will be a general meeting of the Rose Society at Baltimore at the Society of American Florists' Convention in August. There are some matters that cannot be settled until that meeting, pertaining to the prize awards at Boston. The certificates of merit have been forwarded to A. N. Pierson, F. R. Pierson Co., and Robert Scott & Son.

BENJAMIN HAMMOND,
Secretary.

CLUB AND SOCIETY NOTES.

The weekly exhibit of the Worcester County (Mass.) Horticultural Society on June 22 was strong in small fruits, peonies and herbaceous perennial flowers.

The Rhode Island Horticultural Society held its annual Rose and Strawberry Show in Elysium Hall, Providence on June 20th. The quality of the exhibits was excellent throughout.

The Bar Harbor Horticultural Society held a very fine midsummer flower show at Bar Harbor, Me., last week. The many fine private estates were well represented by the high class products of their expert gardeners, in plants, flowers and fruit.

A RHODODENDRON SHOW.

Our cover illustration this week gives a view of the rhododendron show by John Waterer & Sons in the hall of the Royal Horticultural Society, London, a few weeks since.

As seen in the picture, the main interest of the show was rhododendrons. Of these there were upwards of 1,000 plants, and it was estimated there were upwards of 50,000 blooms; and in probably as good condition as it is possible to show them. About 100 different varieties were staged, and the principal sorts exhibited were Pink Pearl (which formed the centre of the two beds arranged in the middle of the hall right and left of the main entrance) set up in a mass relieved by the foliage of Japanese Maples, and as a contrast to them were plants of fine red varieties such as Michael Waterer, Fred. Waterer, Prometheus, Doncaster, etc. Opposite the main entrance was a mass of the beautiful old variety, Lady Eleanor Cathcart, one plant of which was about eleven feet high. Underneath this was a fine group of Gomer Waterer, which promises to take its place as one of the finest hybrids in cultivation. Associated with these was a splendid mass of the new "Alice," a variety raised from Pink Pearl, and considered by many to be superior. Mr. Waterer has a great opinion of it

as a florists' plant. In color it is a lovely tint of pink rather deeper than Pink Pearl, and while the flowers are not quite so large individually as those of Pink Pearl the truss is about the same, and being more compact in form it lasts longer in its full beauty.

All the well-known varieties, such as Michael Waterer, Francis B. Hayes, Strategist, Mrs. Tom Agnew, John Henry Agnew, etc., etc., were shown in small groups, broken up with a few very fine specimens of Japanese maples, hollies, yews, conifers, etc. A particularly pretty effect was obtained by the use of the lovely semi-double Rhododendron Fastuosum flore pleno, in conjunction with the variety, Everestianum, and others of similar shades of lilac mixed with white sorts such as Sappho, Madame Carvalho, etc.

The exhibition was a considerable undertaking, and the plants were sent by rail practically in full bloom, upwards of sixty two-horse vans being required to take them from the railway to the hall. Besides rhododendrons, there were two fine masses of Kalmia latifolia, and a very pretty bed of Rhododendron azaleaoides or odoratum, as well as various other plants such as Himalayan rhododendrons, rare pines, pittosporums, Viburnum plicatum, many varieties of vitis such as Coignetiae, Henryii, flexuosa, etc. The exhibition created a great interest, and will doubtless lead to others of a similar nature. Many visitors said they had never seen the hall look so beautiful.

During Recess

Chicago Florists' Picnic.

Arrangements for the annual picnic of the Chicago Florists' Club, July 23rd, are now well under way. Two trains on the Wisconsin division of the Northwestern leave the new depot at 11:00 and 12:15 and return at 8:29 and 9:28 p. m. Baseball will be a feature and the wholesalers and the retailers will strive against each other for the honors. No printed programs will be issued, but there will be racing, dancing and various sports with prizes.

Chicago Baseball.

The Chicago Carnation Co.'s baseball team has been getting in some effective work and doing credit to their fine new suits of blue and white. July 4th they won a return game with Marley, score 14 to 8, and July 9th defeated the Frankfort team 10 to 5.

Michell-Dreer Baseball Game.

The second game of the Seedsman's League series was played at Riverton, N. J., on the 8th inst., resulting in a victory for Michell. The Michells took their opponents by surprise in the first innings, and before the Dreer boys had woke up scored four runs. After that it was nip and tuck until the seventh when Dreers got in two runs and another in the eighth. Both teams are above the average for amateurs, and both played well. Pitching on both sides fine. Michells appeared to have the best of it on the stick, and the steal and infielding, but not much. The umpiring was something

fierce. Ask any of the players. The score follows:

MICHELL.					
	R	H	PO	A	E
Frank Michell, ss.....	1	2	2	2	0
Deakney, c.....	1	0	9	2	0
Henry J. Michell, 3b.....	1	1	2	3	0
Mitchell, p.....	2	3	1	4	0
J. Michell, lb.....	0	0	8	1	0
Miller, rf.....	2	3	1	0	0
Schermhorn, 2b.....	0	0	3	4	0
Eaton, rf.....	0	0	0	2	0
Wintzer, cf.....	0	0	1	0	1
Moore, cf.....	0	1	0	0	0
Hirshhorn, rf.....	0	1	0	0	0

Totals 7 11 27 18 1

DREER.					
	R	H	PO	A	E
Winkelspecht, c.....	0	1	9	2	0
Richardson, p.....	1	0	0	3	1
Bernicker, lb.....	1	1	10	1	0
Murphy, 2b.....	1	1	2	2	0
Dingee, 3b.....	0	0	1	3	1
Horton, ss.....	0	0	2	4	0
Bowler, lf.....	0	1	1	0	0
Smith, cf.....	0	0	0	0	0
Faunce, rf.....	0	0	2	0	0

Totals 3 4 27 15 2

Innings 1 2 3 4 5 6 7 8 9										
Michell.....	4	0	1	0	2	0	0	0	0	7
Dreer.....	0	0	0	0	0	0	2	1	0	3
Batteries: Michell-Deakney and Mitchell-Dreer-Winkelspecht. Umpire-Hampton.										

The next game of the series will be Craig vs. Michell, at the Michell trial grounds, Andalusia, on Saturday, 15th, at 3 p. m. We hear that the Craig boys snort at the idea of losing a game to a bunch of city folks. We are also privately informed that "those West Philadelphia farmers will have to get a move on if they don't want a goose egg." "You pays your money and you takes your choice." Better come out and see the fun—in any event.

Bowling at New York, July 7, 1911.

Kakuda	156	156	157	Ch'wick	153	178	161
Shaw	158	146	139	Manda	149	160	167

Notes.

Members of the New York and New Jersey Plant Growers' Association to the number of sixteen enjoyed an outing to Coney Island on the night of July 5.

A fishing trip is being organized between the two Boston flower markets, and a special boat will be chartered for July 21. Any florist desirous of taking this trip please notify W. A. Hastings at the Boston Flower Exchange not later than Wednesday next. This will be one time, plenty to eat, and no one should miss it.

The baseball team composed of salesmen of the Boston Flower Exchange played the team from Thos. Roland's in Nahant on July first. The game was an exciting one, and at the fifth inning the score stood 9 to 2, after which the Flower Market team piled up the runs, the final score being 12 to 13 in favor of the Flower Market. In the last inning a double play for the Market was an exciting feature. The battery for the Market was James Murray and Elliott Filson; first base Green, second Frank Edgar, third Matthew Ruane, short stop Walter Aylward, right field Jacob Brennan, left Wm McAlpine, center Wm. Patterson. Umpire, Thos. H. Carr.

Following the game both teams were the guests of Mr. Roland at lunch on the estate.

Providence, R. I.—A new office building is being erected at the greenhouses of Timothy O'Connor, Blackstone Boulevard.

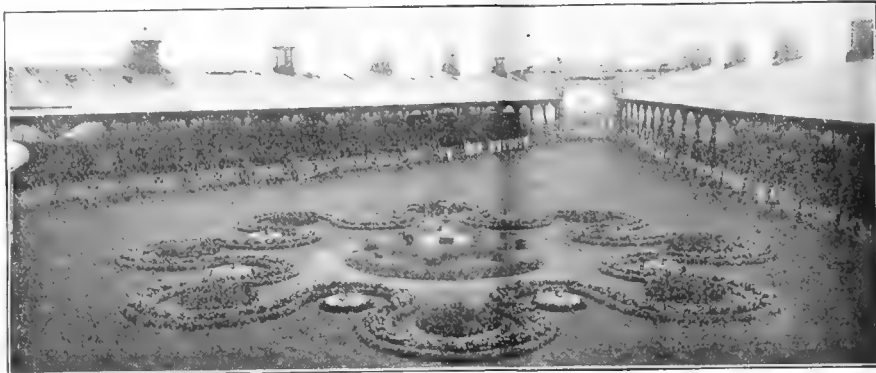
RAILROAD GARDENING AS A PAYING INVESTMENT.

An Address by Paul Huebner, Landscape Gardener for the Reading R. R. System, before the Florists' Club of Philadelphia, July 11th, 1911.

Mr. Chairman and Gentlemen:—It is a good many years now since I last had the honor of addressing you on the subject of "Railroad Gardening." At that time—some eight or ten years ago—there were not so many of the railroad systems of the country that had adopted this policy in which my company was one of the pioneers. A good many more have taken it up since then, and you will no doubt be glad to learn that the Reading has taken no backward step, but has kept steadily along on the same broad and enlightened policy as it first mapped out. You understand, of course, that the hard-headed gentlemen who manage railroads, do so from a dollars and cents standpoint—and look on the embellishment of station grounds and approaches from the dollars and cents standpoint only—and not from an aesthetic point of view. They realize that it attracts travel and settlement and by so doing not only helps current revenue, but improves the value of their real estate. Nevertheless, these managers are to be commended for their breadth of view and for their far-seeing good policy—even from those of you who work for the advancement of Horticulture in a spirit of altruism for the public good. The community which the Reading serves are given constant pleasure by this policy and are inspired thereby to efforts of their own along horticultural lines. The character of the architecture of the stations has been greatly improved of late years and the surroundings have to conform. Improved grounds and improved stations are two of the best advertisements a road could have and worth far more than their cost in that connection. Safety and convenience come first, of course; but elegance is equally desirable if the cost be not too heavy.

I am often asked which is best for work of this kind—shrubby or bedding plants. In reply to that I always answer that there is plenty of room for both, and I use both freely. When and where, depends, of course, on the size of the space to be planted—also on the surroundings. Shrubby is generally most effective when used as a background. When in flower it is very attractive. But for glowing effects and striking pictures that will make the passengers sit up and take notice and carry with them strong impressions—strong enough to make them talk about when they go home—be their home near or far—there is nothing like the brilliant cannas and geraniums and other tender plants which make these erstwhile dull and unsightly locations a glory all summer long and carry the fame of the Reading to the ends of the earth. I receive letters from all over the country from passengers who write the company asking as to what canna that was or what geranium that was and so forth, showing very clearly the strong impression made (even from a flying train at 60 miles an hour), and the good advertisement the company gets out of it.

While there is no great change in



Railroad Gardening at Reading, Pa.

the policy of the road as to my department nor in my management and methods in same during the ten years that have elapsed since I last addressed your club, there is some change in the varieties of plants we use. For instance:—in geraniums, we used then, Madam Thibaut, for pink; La Pilot, for scarlet; and La Favorite, for white. Now these "best ones" of their day, have been superseded by La Glorieuse, as pink; John Doyle, as scarlet; and Madame Buchner, as white. We also use Abbe Schaeffer as a scarlet, and Jean Viaud as a pink. These varieties not only have



PAUL HUEBNER

better flowers than the old ones; but they are also more constant bloomers. Salleroi is still our standby as an edging.

In cannas we are now using Fuerst Bismarck, King Humbert, Madame Berat, Madame de Poitevine, Philadelphia, Admiral Avellan, Columbia, Robusta and Italia. We still use Florence Vaughan a little; but for a good yellow, Richard Wallace is the best of them all.

We have made recently some very effective beds with a combination of ricinus, caladium and abutilon; and, of course, we still use the coleus very largely. A big coleus bed laid out in a design is certainly a very gorgeous sight. The big bed at Trenton Junction, for instance, is a good example of what can be done with the coleus.

A bed like this will take three thousand plants; but they are easy to grow and are inexpensive. The shrubby in the background helps this situation very much, and, of course, the lively green of the surrounding lawn is indispensable. Imagine what a dreary, uninteresting place this would be without this blaze of color framed in green and harmoniously toned by its background of shrubbery! Take again, the little triangle at the Terminal Station in Philadelphia. This is but a little patch, but it is the glimpse of the unexpected which catches the eye and pleases the traveler. This bed is made of coleus, caladiums, achryanthes and alocasia. The cloverleaf bed in the same patch is of geraniums, edged with ageratum, with a yucca in the center. The work at Langhorne Station is distinctive, as it has a fine perspective, and has an excellent background of privet hedging. Geranium John Doyle is used very freely here in conjunction with coleus beds.

I am still a strong believer in the privet for hedging. We use the California variety and find very little trouble with its winter killing, about which some complain. It has proven very satisfactory with us, being a quick grower, a beautiful glossy green, and absolutely free from all insect pests. We use this largely for wind-breaks to prevent snow drifting in winter as well as for ornamental purposes. Even when it does freeze, it comes up again from the roots. I do not use the barberry except in mixed shrubberies. I use the whole shrub family; but the various spireas and deutzias are our favorites. We also use the hardy hydrangea very profusely. Philadelphia, weigela, hibiscus and Pyrus Japonica are also freely used. In lilacs we like Marie Le Graye best for white, and for a dark one, Souvenir de Antoine Spaeth. Madame Lemoine, a double white one is also very fine.

I generally mingle evergreens with the shrubby, which latter are cut out gradually, leaving the evergreens. Trees are not largely used, chiefly because they would obstruct signals—a very important matter; but where they are permissible the Norway maple is the one preferred. It is the most uniform and is not so apt to break if kept reasonably trimmed. We trim our hedges twice a season only for outside points; but elsewhere, where they have to be always neat and uniform, three or four times at least.

And now, gentlemen, coming back

PANSIES SOW NOW

We are making a specialty of Pansies. Our collection is the richest in variety and quality ever offered in this country. If you want the finest pansies that it is possible to obtain, make your selection from the following list of seeds:

MIXTURES OF GIANT FLOWERED PANSIES.

Holmes' Triumph of the Giant. Robust compact growing plants; heavy foliage surmounted by enormous flowers of perfect form and great substance, on strong tall stalks. Petals overlapped and undulating. Rich and rare colors: Trade packet, 50c.; 1-16 oz., \$1.00; ½ oz., \$1.75; ¼ oz., \$3.00; ½ oz., \$5.00; oz., \$8.50.

Bugnot's Giant Spotted: Trade packet, 40c.; 1-16 oz., 85c.; ½ oz., \$1.50; ¼ oz., \$2.50; ½ oz., \$4.50; oz., \$7.50.

Holmes' Mammoth Five-blotched. Cassier Type but flowers double size, magnificent colors. Trade packet, 35c.; 1-16 oz., 75c.; ½ oz., \$1.25; ¼ oz., \$2.00; ½ oz., \$3.50; oz., \$6.00. Giant Cassier: ¼ oz., \$1.75; ½ oz., \$3.00; oz., \$5.00.

Mme. Perret. Great American Giant, "Red White and Blue:" ¼ oz., \$1.50; ½ oz., \$2.50; oz., \$4.00.

Odier Five-spotted Beauties: ¼ oz., \$1.25; ½ oz., \$2.00; oz., \$3.50.

Goliath and Orchid (Cattleya) flowered, same price as Odier.

Giant Trimardeau: ¼ oz., \$1.00; ½ oz., \$1.50; oz., \$2.50.

Trimardeau, Giant Spotted Parisian: ¼ oz., \$1.50; ½ oz., \$2.50; oz., \$4.00.

Cassier and Trimardeau Mixture: ¼ oz., \$1.00; ½ oz., \$1.75; oz., \$3.00.

Holmes' Giant Masterpiece. Enormous flowers, 4 inches across, faintly ruffled edges, clearly distinct markings and, in fact, a flower of recent introduction that has won volumes of praise from lovers of this particular flower. It is a master indeed of its class. ¼ oz., \$1.75; ½ oz., \$3.00; oz., \$5.00.

GIANT FLOWERED SORTS.

Giant Cassier, Hortensia red, same price: ¼ oz., \$1.00; ½ oz., \$1.75; oz., \$3.00.

Giant Marmorata: ¼ oz., \$1.00; ½ oz., \$1.50; oz., \$2.50.

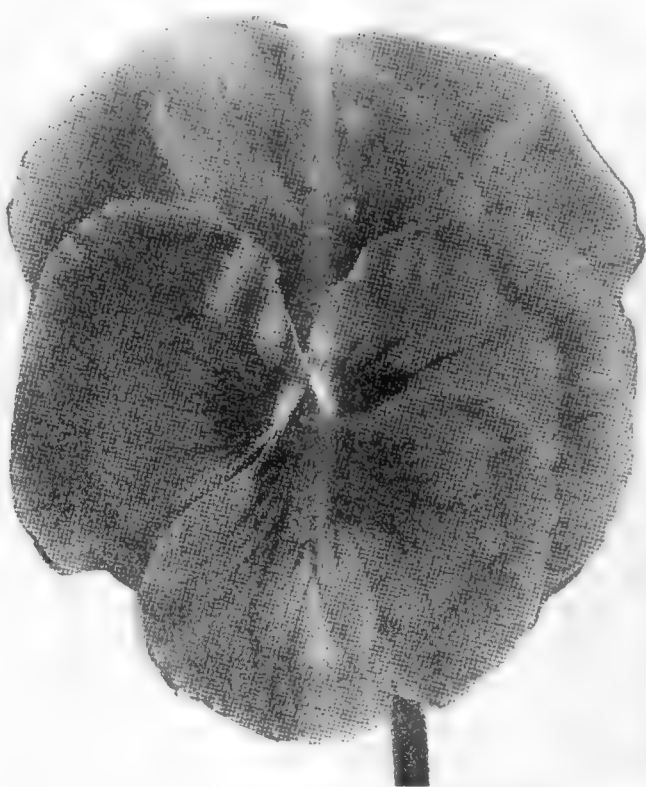
Odier Five-spotted Yellow and Five-spotted White, beautiful, and Psyche, curled Five-blotched, charming: ¼ oz., \$2.00; ½ oz., \$3.50; oz., \$6.00.

Giant Vulcan, brilliant dark red with five black blotches, grand effect: Trade packet, 50c.; 1-16 oz., 85c.; ½ oz., \$1.75; ¼ oz., \$2.75; ½ oz., \$4.75; oz., \$8.00.

Giant Trimardeau, separate colors, Adonis, Atropurpurea, Fire King, Canary Bird, Indigo Blue, Emperor William, Lord Beaconsfield, Peacock, White with eye: ¼ oz., 75c.; ½ oz., \$1.25; oz., \$2.00.

Crimson King, Mauve Queen, Snowflake: ¼ oz., 85c.; ½ oz., \$1.50; oz., \$2.50.

Auricula flowered Prince Bismark, striped, light blue, rosy lilac, marbled on white ground, King of Blacks, violet blue: ¼ oz., 60c.; ½ oz., \$1.00; oz., \$1.50.



Atropurpurea, do albo-marginata atrosanguinea, auricula-flowered, azure-blue, Snow Queen, Diana, Fairy Queen, Prince Bismark, yellow with eye, striped fancy, Wallflower Colored, gold margined, Havana-brown, light blue, Emperor William, Mahogany, Black Prince, King of the Blacks, pelargonium flowered, Peacock, quadricolor, rubra, violet, Victoria, violet white margined, white with black eye: ¼ oz., 35c.; ½ oz., 60c.; oz., \$1.00. Aureapura, Coquette de Poissy, Fire King, orange, Lord Beaconsfield: ¼ oz., 40c.; ½ oz., \$75c.; oz., \$1.25. Cardinal: ¼ oz., 85c.; ½ oz., \$1.50; oz., \$2.50. President Carnot and Emperor Frederick: ¼ oz., 50c.; ½ oz., 85c.; oz., \$1.50. Sunlight: 1-16 oz., 75c.; ½ oz., 1.25; ¼ oz., \$2.00; ½ oz., \$3.50; oz., \$6.00.

HOLMES SEED CO., Harrisburg, Pa.

to the title of my story, "Railroad Gardening as a Paying Investment," I think the fact that my company has kept the system up enthusiastically during all the twenty-one years I have been in their employ and are as keen for it as ever, is striking evidence that they have found it a paying investment. The territory over which I have direct charge runs from Philadelphia to Williamsport; from Reading to Harrisburg; from Reading to Allentown; from Philadelphia to Chestnut Hill; from Philadelphia to Bound Brook; from Philadelphia to Bethlehem; from Camden to Atlantic City and Cape May, and several other branches. If any of you feel like getting away from the smoke, dust and din of the city, and settling down among healthful and pleasant surroundings—and have the price—first take a run along any of those lines any fine day in summer; and if you do not find something that will suit both your desires and your dollars I will be very much mistaken.

"Greetings and Welcome you'll find there before you. And the oftener you come the more we'll adore you."

The greetings of the blooming flowers and the welcome of healthy surroundings—with safe and perfect serv-

ice thrown in—for a very small consideration.

HORTICULTURAL QUARANTINE.

Congressman Burnham has introduced a bill "to regulate the importation and interstate transportation of nursery stock, to enable the Secretary of Agriculture to establish and maintain quarantine districts for plant diseases and insect pests, to permit and regulate the movement of fruits, plants, and vegetables therefrom, and for other purposes."

The bill provides that it shall be unlawful to import or offer for entry into the United States from any foreign country any nursery stock unless a permit from the Secretary of Agriculture or a satisfactory certificate of inspection from the proper official of the country from which the importation is made, to the effect that the nursery stock is free from insect pests or injurious diseases, but food articles and nursery stock imported for scientific or experimental purposes are excepted from this regulation, when imported under regulations prescribed by the Secretary of Agriculture.

The Secretary of Agriculture is authorized by the terms of the bill to quarantine any State or Territory or any portion thereof when he shall de-

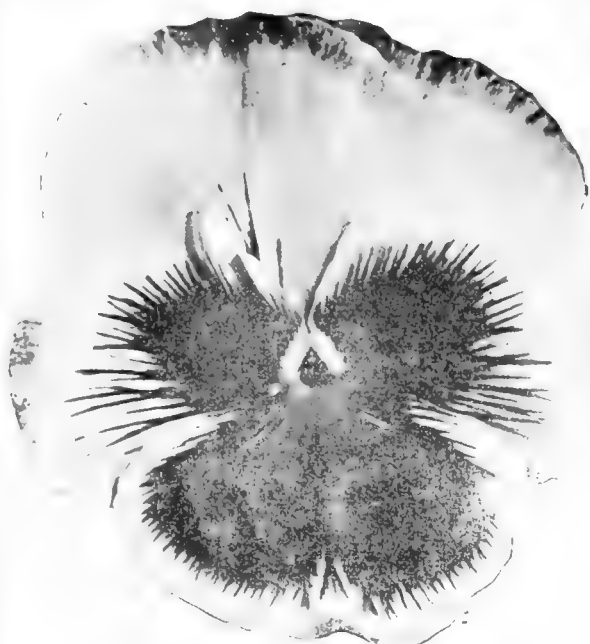
termine the fact that a dangerous plant disease or insect infestation exists there. The bill is sweeping and explicit. It makes violation of the provisions contained in it a misdemeanor punishable by a fine not to exceed \$500, or imprisonment not to exceed one year, or both such fine and imprisonment in the discretion of the court. The sum of \$25,000 is mentioned as the amount to be appropriated to carry out the provisions of the bill.

NEWS NOTES.

Glens Falls, N. Y.—A. J. Binley is rebuilding and extending his extension plant. His patent flower box holder is in increasing demand.

Doctor Little has the finest collection of orchids in this vicinity and is constantly adding to it with new varieties.

Syracuse, N. Y.—Park Superintendent Campbell has suggested to the Rose Society that Kirk Park be set aside especially for a rose garden. It has a rich soil and a considerable area of sunny lowland peculiarly suited to the planting of the Queen of Flowers. The Rose Society is young, but full of enthusiasm and proposes to make this the Rose City as its sister city, Rochester, is well named the Flower City.



PANSY—Boddington's "CHALLENGE"—All Colors

This mixture contains all the finest Giant strains—of the leading Pansy Specialists in the world—the Giant self-colors, the Giant striped and margined, and the Giant blotched, etc., all carefully mixed in proportion—the finest that money can buy—the finest your money can buy. A florist who has grown it said, "Why don't you call it Defiance?"

Trade pkt., 50c; 1/8-oz., 75c; 1/4-oz., \$1.50; 1/2-oz., \$2.75; oz., \$5.00

PANSY SEED TIME

Choice Varieties of Giant Pansies

	Trade pkt.	1/4 oz.	Oz.
Giant Trimardeau. Improved mammoth-flowering in good range of color.....	\$0.15	\$0.50	\$1.50
Giant Masterpiece (Frilled Pansy). Petals beautifully waved, exquisite colors.....	.15	.85	3.00
Cassier's Giant. A fine strain of large highly colored flowers.....	.15	.85	3.00
Giant Bugnot's Stained. Exhibition. Extra choice flowers, large and plenty of light colors.....	.50		
Giant Madame Perret. A recent introduction, by a celebrated French specialist; of strong, free growth. Especially rich in red shades.....	.15	.85	3.00
Giant Fire King. Brilliant reddish yellow, with large brown eyes.....	\$0.25	\$1.00	\$3.00
Giant Lord Beaconsfield. Deep purple violet, top petals light blue.....	.15	.50	1.50
Giant Canary Bird. A five-spotted yellow variety. Ground color, is a deep golden yellow and each petal is marked with a dark blotch.....	.15	.85	3.00
Giant Orchideeflora, or Orchid-flowered Pansy. Splendid variety. Beautiful shades of pink, lilac, orange, rose, terra cotta, chamoise, etc.....	.25	1.25	4.00
Giant Emperor William. Ultramarine blue, purple eye.....	.10	.50	1.50
Giant Golden Queen. Bright yellow, no eye.....	.15	.60	2.00
Giant Golden Yellow. Yellow, brown eye.....	.25	.75	2.50
Giant King of the Blacks (Faust). Black.....	.15	.60	2.00
Giant President McKinley. Golden yellow, large dark blotch.....	.15	.85	3.00
Giant Prince Bismarck. Yellowish bronze, dark eye.....	.25	.75	2.50
Giant Rosy Lilac......	.15	.60	2.00
Giant Pretiosa. Crimson-rose, white margin, violet blotch.....	.15	.60	2.00
Giant White. Violet spot, the largest white.....	.10	.50	1.50

ARTHUR T. BODDINGTON, Seedsman, 342 West 14th St., NEW YORK

ST. LOUIS NOTES.

Charles Schoenle spent a few days in Kansas City this week with the Million Club.

C. C. Sanders has returned from a trip to Chicago where he purchased material for a new green house.

Fred C. Weber of St. Louis and S. S. Skidelsky of Philadelphia spent ten days recently at French Lick Springs, Ind.

Miss Matilda Meinhardt, who is traveling in Europe this summer expects to return home the first part of September.

Edwin Westeman, F. H. Weber's right hand man was married last week and is away on a bridal trip East for two weeks.

The Ladies' Home Circle spent a pleasant day's outing on July 10 at the Chain of Rocks Park in North St. Louis. Mrs. John Steidle is president of the Circle.

Fred Foster has wagered with W. C. Smith that he could beat him in a 300-yard race at the St. Louis florists' picnic. Mr. Smith has accepted the wager. It will be a \$5 hat.

State Vice-President Fred H. Weber says that he has made arrangements with the Pennsylvania R. R. at \$32 for round trip St. Louis to Baltimore convention with stop over privilege.

The Retail Florists' Association has changed its meeting night to every second Monday in the month. This

body is doing good work and should be encouraged by a larger membership.

Otto Bournig, brother-in-law of H. G. Berning, has had a sad loss in the death of his little son, Harold. The funeral took place on July 4th. The trade extended their sympathy to the bereaved parents.

Secretary Beneke of the Florist Club says everything is in shape for the Florists' picnic which takes place Thursday, July 20. There will be two ball games this year. Sanders' team, who are the champions will again play the Bentzen team and there will be a short game between teams of wholesalers and retailers. A special foot race has been arranged between "Billy" Smith and Fred Foster. The winner gets a new hat. The young folks will be well taken care of in the way of games and there will be a prize waltz for ladies. During the day the wholesale quartette will sing. Everything is free to florists and their families. All expenses will be paid out of the Club's treasury.

Harrisburg, Pa.—V. Grant Fower has been appointed head of the Harrisburg park system under the Park Commission and Parker Thayer Barnes becomes assistant superintendent. Mr. Barnes is a well-known horticulturist and writer, connected of late with the staff of "Suburban Life." He is a capable young man and will fill the position with credit.

Freesias

FIRST SIZE:
75c., 100; \$6.50, 1000

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POT-GROWN STRAWBERRY PLANTS

All the best standard varieties
and novelties.

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In ordering goods please add "I saw
it in HORTICULTURE."

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WORLD'S CHOICEST FLORIST AND NURSERY PRODUCTS.

We are growing in our greenhouses and in our 250 acre nursery a large variety of material constantly in demand by florists. Our Illustrated General Catalogue describes all the stock we grow. We shall gladly mail it to any florist upon application.

B. & A. SPECIALTIES.

PALMS, BAY TREES, BOXWOOD AND HARDY HERBACEOUS PLANTS, EVERGREENS, ROSES, RHODODENDRONS, VINES AND CLIMBERS, AUTUMN BULBS AND ROOTS, CONIFERS, PINES.

Florists are always welcome visitors to our nurseries. We are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

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Rutherford, N. J.

ROSES

OWN ROOT

4000 **Beauties**, 4 in. 12c.
3000 each **Brides, Maids, Richmond**.
500 each **Chatenay, Ivory, Queen Beatrice, Bon Silene, Pink Killarney and Golden Gate**, 4 in. at \$8.00 per hundred.

2000 **Pink Killarney**, own root, 3 in, at \$8.00 per hundred, \$75.00 per thousand.

GRAFTED STOCK, 3 in.

400 each **White and Pink Killarney**.
200 each **Richmond, Chatenay, Ivory, Golden Gate and Uncle John**, \$15.00 per hundred.

Chas. H. Totty, Madison, N. J.

American Grown Roses

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens.

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WE GROW EVERYTHING FOR PLANTING THE HOME GROUNDS
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LILY OF THE VALLEY PIPS
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Write for quotations

HOLLAND NURSERIES

Best Hardy Rhododendrons,
Azaleas, Conifers, Clematis,
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Tree Renovation by Expert Operators.
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Box Trees

and other **EVERGREENS** for Tubs and Boxes

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¶ When you employ a lawyer in matters of importance what do you consider most—his fee or his services? No man knows what his services are worth better than a lawyer and he seldom asks less than their value. It is better to have a good lawyer and pay the price, than to have a poor one and lose the case. Of course, occasionally a poor lawyer wins a case which you might profit by, but if you strike an average you will invariably find the good lawyer is the most economical to employ by far. In buying lily bulbs or any kind of bulbs it is more economical to buy the best you can in regard to quality. Every grower will realize this if he stops to think. Now is the time to consider lily bulbs from storage for fall flowering. When fall comes you will wish you had them and it is better to have them than to wish you had.

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NEW YORK CITY

Not How Cheap
But How Good

Seed Trade

The Seedsmen's Convention.

Seed trade matters have been somewhat neglected for the past few weeks, and the proceedings of the Seedsmen's Convention were not reported as fully as the importance of the matters considered deserved. Many of the papers are worthy of being carefully read and studied, while others not of a technical character deserve special mention because of their treatment of matters of general interest to all including the ladies and those not personally identified with the seed business. Such a paper was that of Edgar Gregory, giving in brief and almost statistical form a history of Marblehead. Many of the historical places mentioned by him were visited by members and their friends whose interest was aroused by his paper.

The President's address contained a number of practical and useful suggestions, and their importance may be appreciated when it is learned that a special committee appointed to consider them, recommended the adoption of all. Mr. Page has set an example which his successors will no doubt be willing to follow in their annual addresses—more of a specific and practical character, and less generalization.

Like practically all similar organizations, the American Seed Trade Association annually appoints a number of committees to work along certain lines in the interests of the Association, and these committees are expected to submit the results together with such recommendations as they may consider wise, at the next annual convention. While some few always submit a report many others do not, which is unfortunate as most of the subjects claiming attention are important to the interests and prosperity of the seed trade as a whole.

The question box was revived at this convention and many pertinent and practical questions were asked, not all of which received convincing or satisfactory answers. Of technical papers, those of Prof. Wheeler of Rhode Island, and Dr. Woods of Maine easily took the lead.

A new feature, and one which seems to have been greatly appreciated, was the reading of telegraphic crop reports at the Thursday morning session. Whoever this innovation is to be credited to deserves a vote of thanks, as the comments were unanimously appreciative. This ought to be an important feature of every future convention, and should be extended to include cabled reports from the leading European seed growers.

Crop News.

Crop news is not of a rosy character, and there has been considerable change in conditions in the brief interval since the convention, mainly of an unsatisfactory nature, but even now nothing definite can be said of any item, not even peas, which will require several weeks more to reach maturity, and during which time much damage may befall the crop as a whole, while it has reached such a stage of development that but little time is left for improvement. From information at hand, we believe har-

vesting of Alaskas and the Extra Early varieties will begin between July 15th and 20th, but it will be some weeks yet before the late varieties will be harvested. Doubtless some sort of estimate of the earlies will be possible within a few weeks, but anything approaching definite percentages will not be possible before September or October. Enough is known to make it clear that the pea crop as a whole has suffered quite serious damage, particularly in view of the intense heat of the past weeks.

Some Pea Advice.

Anyone who is on the short side on peas should cover if possible, and not quibble over prices, as any figures quoted now may look low in a few weeks' time. We offered this advice last year and those who followed it had reason to be thankful. The trouble we apprehend will be to secure offerings from reliable growers, and right here we warn all against buying from and but well known and reputable sources. Don't be tempted by attractive prices or samples. The leading experts of the world cannot state with confidence what the crop will be by a sample of seed, and we don't use the word, "crop" in the sense of quantity, but of quality and character. Many seedsmen and canners who were tempted by low prices from unknown or questionable sources have chewed the cud of repentance ever since and assert with great vigor, "never again!" Let us hope not.

Government Crop Report.

The last Government crop report indicates quite accurately the general crop situation, not only affecting grains and potatoes, but practically all crops east of the Rocky Mountains. This report shows that field corn has been severely injured, that a continuation of the heat and drouth another week or ten days would be really disastrous. We may be sure that if field corn is suffering to this extent it must be at least as bad with sweet corn and in all probability the latter has suffered worse damage than the former. Vine seeds have unquestionably suffered severe damage, although we have been unable to get anything of an authentic character up to this writing. We should like to be optimistic, but due regard for the truth and the facts compels us to state that the outlook at the present time is about as discouraging for seedsmen's crops as they have ever been at this time of year. Of course, California products are an exception, and, barring sweet peas, the crop situation in California is fairly satisfactory.

The European Situation.

Nothing new regarding the European situation has come to hand and probably there will be little change in the news until after the crops are harvested, when something definite will be known. As "hope springs eternal," we must continue to hope for the best and trust that the final result will not be as discouraging as present conditions indicate.

Potatoes Fail.

By the way, we have neglected to

comment on the outlook for potatoes, which according to the Government report is the lowest in a quarter of a century. In many of the western states the crop is a virtual failure, and it looks now as if a dollar a bushel for eating stock will not be considered high next fall.

Important!

With further reference to the New York seed bill, we are advised by M. H. Duryea that the bill has been passed by both the Assembly and the Senate and now awaits the signature of the Governor. Any protests on the bill should be filed immediately with Governor Dix at Albany.

It is hoped that all the New York seedsmen will protest vigorously.

Personal.

R. Nicholson is no longer connected with the Texas Seed and Floral Co., Dallas, Texas.

Walter Mott has taken a position as traveling salesman for Wm. Elliott & Sons, New York.

A. T. Boddington and family of New York have taken a cottage at Nantucket, Mass., for the summer.

Miss Mabel Grey, daughter of Thomas J. Grey, and bookkeeper in her father's seed store in Boston, was married on Wednesday, July 5, to George Ernest Martin.

Notes.

Munford, Ala.—The Street Seed and Stock Farm Co. has been incorporated, capital stock \$10,000. J. C. Street, George J. Street and Anne D. Street, incorporators.

Shenandoah, Ia.—At the annual meeting of the Henry Field Seed Co., held July 1, a dividend of 9 per cent was declared and the following officers elected: Henry Field, re-elected president and general manager; A. L. P. Thompson, vice-president; H. E. Eaton, secretary and treasurer. The old directors were re-elected and A. M. Eldridge was elected to fill the vacancy which has existed for a year.

VEGETABLE PLANTS

CABBAGE, Wakefield, All Head, Succession, and other varieties, \$1.00 per 1000; 10,000 and over, @85c. per 1000.
LETTUCE, Grand Rapids, Big Boston, Boston Market and Tennis Ball, \$1.00 per 1000; 10,000 and over, @85c. per 1000.
BEEF, Crosby, Egyptian and Eclipse, \$1.25 per 1000.

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Metal Rose Markers

RUSTLESS IMPERISHABLE

Paper and wooden markers soon become illegible. Send for samples and prices.

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The finest "Forget-me-not" for florist use, very dwarf and compact, literally covered with bright blue flowers of immense size.

Trade Packet 50 cts.

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Florists and Seedsmen Sell Your Own Scratch or Poultry Food

We will make it for you under your own brand for
\$28.00 PER TON

Send to-day for sample 100 lb. bag, \$1.50. Mr. C. E. Jensen of Atlantic Co., N. J., on Oct. 27, 1910, writes as follows:— I want to state that your three grades of Poultry Food; Chick Starter Developing Food and "Square Deal" Scratch or Poultry Food stands without an equal to day. They are perfect mixtures and sound in grain and a pleasure to handle.

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Thorburn's Seeds

Asparagus Plumosus Nanus

New Crop Just Received

We offer while unsold as follows:

1,000 seeds	\$2.50.
5,000 seeds and up @	\$2.25 per 1000
10,000 seeds and up @	2.00 per 1000
20,000 seeds and up @	1.75 per 1000

Cold Storage Lily of the Valley Pips

HIGHEST GRADE

Cases of 1000 pips @	\$13.00 per case
Cases of 3000 pips @	36.00 per case

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FOR PRESENT PLANTING
Stocks, Asters, Chinese Primulas, etc.

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Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Aldine 880. Aldine 881. Aldine 882.

SAMUEL MURRAY

Kansas City, Mo.
913 Grand Ave.

All Orders Given Prompt and Careful Attention



WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of

TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP
96 Yonge St., - - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE
Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.

Members Florists' Telegraph Assn.

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

Boston, Mass.—F. H. Houghton has
closed his store on Boylston street.

Kansas City, Mo.—The Alpha Floral
Co. has secured a long lease of the
property 1220 and 1222 Grand avenue.

La Salle, Ill.—Miss Ella J. Porter
has moved into a remodeled store in
the Schlaegeter building, on First
street.

New York, N. Y.—Melandre Bros.,
who have stores at 72nd street and
Broadway and on Second avenue, have
bought out N. J. Miller at 103rd street
and Broadway.

Buffalo, N. Y.—The firm of Altman
& Cloudsley, proprietors of the Lenox
Flower Shop, has been dissolved. Mr.
Altman will continue the business un-
der the same name.

STEAMER DEPARTURES

Allan.

Nutaidian, Boston-Glasgow... July 21

American.

St. Paul, N. Y.-Southampton, July 22

Anchor.

Caledonia, N. Y.-Glasgow... July 22

Atlantic Transport.

Minnehaha, N. Y.-London... July 22

Cunard.

Lusitania, N. Y.-Liverpool... July 19

Pannonia, N. Y.-Mediterranean, July 20

Franconia, Boston-Liverpool... July 25

Hamburg-American.

Pres. Grant, N. Y.-Hamburg, July 12

Holland.

N. Amsterdam, N. Y.-Rotterdam, July 18

North German Lloyd.

K. W. der Grosse, N. Y.-Hamburg, July 18

Kronp. Cecile, N. Y.-Bremen, July 25

Red Star.

Vaderland, N. Y.-Antwerp... July 22

White Star.

Zeeland, Boston-Liverpool... July 19

Oceanic, N. Y.-Southampton, July 19

Laurentic, N. Y.-Liverpool... July 22

Cedric, N. Y.-Liverpool... July 22

Washington, D. C.—Business is
very dull in Washington. There has
been a large exodus to vacation re-
sorts, and the prospect of an adjourn-
ment of Congress in about thirty days
more helps to depress business. Stock
is in fair supply, but it has been seri-
ously affected by the heat, and the hail
storm of last week did some damage
to plants and garden truck growing in
the open. Prices are essentially un-
changed. Most of the florists, having
a little leisure, have been putting in
new window displays, in most of
which water lilies and mimic pools
with rustic settings of rocks, ferns
and bark play a prominent part.

NEW FLOWER STORES.

Wakefield, Mass.—John L. White.
Indianapolis, Ind.—Fountain Square
Floral Co., Fountain Square.

Narragansett Pier, R. I.—E. W.
Johnston & Co., Board Walk.

Nyack, N. Y.—R. C. Pye, Young
Men's Christian Association building.

Philadelphia, Pa.—It is reported
that a retail florist department will be
opened this fall at Kugler's restaurant.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any
part of the United States, Canada, and
all principal cities of Europe. Orders
transferred or intrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill

Cable Address, ALEXCONNELL

NEW YORK

Orders for Steamer, Theatre, Hotel, or
Residence Carefully Filled.

Wm. H. LONG

412 Columbus Ave.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspond-
ents in all the large cities of Europe and the British
Colonies. Telegraph and Cable address, Dardspier

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points,
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

MATTHEWS The FLORIST

DAYTON, OHIO.

Is elegantly equipped to take care prop-
erly of all orders for flowers entrusted
to him night or day.

For Dayton, Ohio and Vicinity

"THE HOME OF FLOWERS"

The largest cut flower store in America.
Orders for the TWIN CITIES and for all
Northwestern points given prompt at-
tention.

HOLM & OLSON, Incorporated

ST. PAUL, MINN.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN

194 Boylston Street, Boston

LOUISVILLE, KY.

JACOB SCHULZ,

550 South Fourth Ave.

CHICAGO NOTES.

Fire Loss.

The N. C. Moore Greenhouse Co., of Morton Grove, Ill., had the misfortune to lose its greenhouse plant by fire, at noon, July 4th. A year ago Mr. Moore, who is an engineer, had a large new boiler shed built in the most approved method and this as well as the most of the houses is a complete loss. The water is drawn from a well by means of gasoline engines and a tank of 60 gallons was on the top of the well. This exploded, shutting off the water supply and connection was made at Plant B of the Poehlmann Bros. Co. a long distance away. An unusually fine stock of young carnation plants were ruined and a quantity of hay and rye were also lost. A slight leak in the pipes near the tank is supposed to have been the cause of the disaster.

To Educate the Public.

The wholesalers and retailers are being approached by representatives of the Chicago Tribune in behalf of a scheme which will educate the people with a more liberal use of flowers and thereby add to their sales. The florists are not unanimous in their way of regarding it, some thinking the Tribune much more apt to see results than themselves for the proposition means an outlay of thousands of dollars. Others are willing to wait for future results and pay the price for the education of the public. The matter is still open.

Trade Items.

F. L. Tornquist of Benton Harbor, Mich., is here purchasing greenhouse material for an addition to his place.

The W. P. Lynch Greenhouse Co. has the frames up for their new range of houses at W. 22nd street and Harlem avenue.

Jas. R. Biggam, representing the Alpha Floral Co., of Kansas City, Mo.; Mr. Biggam says all outdoor stock has been destroyed by the excessive heat and they will depend upon the Chicago market exclusively for supply.

O. W. Freese has the position as manager of the new Chicago Flower Growers' Association at 176 N. Michigan avenue. Mr. Freese has been in the wholesale market of Chicago for many years and is well known to the trade.

Miss Catherine Nanz and mother of Owensboro, Ky., are visiting B. C. Nanz, who is with Bassett & Washburn at Hinsdale. They are also taking advantage of the low prices at E. H. Hunt's supply house. Miss Nanz's father was a pioneer florist and established the business in Kentucky thirty-five years ago.

Personal.

John Degnan is off for a week's vacation.

Adolph Benesh will spend two weeks at Lake Villa, Ill.

Fred Sperry of Vaughan & Sperry is taking his turn at recreating now.

Joe Weiss of the J. A. Budlong Co., is spending two weeks at Minocqua, Wis.

Mr. and Mrs. O. P. Bassett left for Pasadena, Cal., July 11th, where they will reside.

John Sinner and N. Wietor returned

Saturday from White Sand Lake, where they spent their vacation fishing.

Clara Burkhart and Marie Hayes from the E. H. Hunt Co.'s supply house, are taking a well-earned vacation.

Nelda Wolf, who has kept the J. A. Budlong books for twelve years, has gone west with her sister. Margaret Russell of St. Louis, Mo., succeeds her.

Charlie Johnson of the Washington Flower Market will spend two weeks at Paw Paw Lake. This retail firm report the number of weddings as ahead of that of last season.

As the result of an accident while cranking his automobile, Saturday, Frank Oechlin is carrying his right arm in a sling. One of the bones is broken just above the wrist.

Harry Philpott and A. T. Pyfer left for Cincinnati, and will visit other cities in that vicinity during the coming week. Mr. Philpott will not return to Winnipeg till after the convention.

Frank Ayers sailed in the regatta race in which the Chicago Yacht Club and the Columbia Yacht Club competed for the valuable Herbst cup. The Vencedor, on which he sailed, is one of the fastest on the great lakes, and won third prize going, and second coming back from Milwaukee, July 4th.

W. H. Hilton of 63rd street has just returned from a trip to Kentucky, where he has a tobacco plantation and from Alabama where he has a pecan and orange grove started. Mr. Hilton is one of those fortunate retail florists who has shown his ability to keep several irons in the fire at once. Incidentally, Mrs. Hilton should come in for her share of the credit, too, as she gives her time to the store.

Other visitors.—John Baucker, Freeport, Ill.; W. A. Bitler, Kokomo, Indiana; J. W. Lynn, Belvedere, Ill.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
 Amsterdam, N. Y.—Hatcher.
 Boston—Thos. F. Galvin, 124 Tremont St.
 Boston—Edw. MacMulkin, 194 Boylston St.
 Boston—Julius A. Zinn, 1 Park St.
 Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
 Buffalo, N. Y.—Palmer's 304 Main St.
 Chicago—William J. Smyth, Michigan Ave. and 31st St.
 Dayton, O.—Matthews, The Florist.
 Denver, Col.—Park Floral Co., 1643 B'way.
 Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
 Kansas City, Mo.—Samuel Murray, 912 Grand Ave.
 Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
 Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
 New York—David Clarke's Sons, 2139-2141 Broadway.
 New York—Alex. McConnell, 611 5th Ave.
 New York—W. H. Long, 412 Columbus Av.
 New York—Young & Nugent, 42 W. 28th.
 New York—Dards, N. E. cor. 44th St. and Madison Ave.
 St. Paul, Minn.—Holm & Olson.
 Toronto, Can.—J. H. Dunlop, 96 Yonge St.
 Washington, D. C.—Gude Bros., 1214 F St.
 Wellesley, Mass.—Tailby.

THE Florists' Supply House of America

H. BAYERSDORFER & CO.
 1129 Arch St., Philadelphia, Pa.

Hatcher

Estab. 1877

LEADING FLORIST

Amsterdam, N. Y.

Schenectady, N. Y.

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points to

THOS. F. GALVIN
 124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
 1 Park St., Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall
 Schools. TAILBY, Wellesley, Mass.
 Tel. Wellesley 44-1 and 2. Night 44-3

PERSONAL.

Wm. H. Carr, a popular salesman of the Boston Flower Exchange, has just returned from an enjoyable vacation.

Thomas Pegler, salesman at the Boston Flower Exchange, sailed for Europe for a short vacation on Carmania from New York on July 12th.

John McKenzie of North Cambridge, Mass., sailed from Boston, Saturday, July 8, on the steamship Canada for a good time on the other side.

Harry Wild, superintendent of the Converse estate at Conyer's Manor, Conn., with wife and two children, sailed on the Parisian from Boston for Glasgow on July 7, for a well-earned summer vacation in his native country. He will return via Quebec and Montreal.

John B. Nugent, Jr., the well-known florist, and president of the New York Florists' Club was married on July 6 to Miss Sabery Dorsell, a popular soprano singer and prima donna of the New York Hippodrome. Mr. Nugent secured a divorce from his first wife some years ago. The young lady whom he has now married has on several occasions entertained the New York Florists' Club on their ladies' night, and a host of good friends wish the happy couple a long and prosperous life together.

Gibbs Bros., at Lynn, Mass., have taken a lease on two adjoining stores, which they will throw into one elegantly appointed store—one of the finest in New England. In the rear will be a conservatory for which the contract has been awarded to Lord & Burnham Co.'s Boston office.

EASTER LILIES

Of exceptional good quality every day, \$1.50 per doz., \$10.00 per 100.

VALLEY, in splendid quality, \$3-\$4 per 100.

DAGGER FERNS—BRONZE GALAX
\$1.50 per 1000. Special price by the case.

Open from 7 A.M. to 6 P.M.

The Leo Niessen Co.

1209 Arch Street, - PHILADELPHIA, PA.

**To Cut Flower Growers and
Retail Florists**

IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

THE BEST LETTERS

FOR THOSE
FLORIST'S **R** MADE
USE BY THE

Boston Florist Letter Co

66 PEARL ST., BOSTON

N. F. McCarthy, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock.

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

George B. Hart

WHOLESALE

FLORIST

24 Stone St., Rochester, N.Y.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention to shipping orders. Jobbers of Florists' Supplies, Seeds and Bulbs. Price list on application.

Phone Main 584. 316 Walnut St., Cincinnati, O.

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	BOSTON July 13	CHICAGO July 10	ST. LOUIS July 11	PHILA. July 11
Ara. Beauty, Fancy and Special..	15.00 to 25.00	..... to 25.00	20.00 to 25.00	25.00 to 30.00
Extra.....	12.00 to 15.00	20.00 to 25.00	10.00 to 15.00	15.00 to 20.00
No. 1.....	8.00 to 10.00	10.00 to 20.00	5.00 to 6.00	5.00 to 10.00
Lower grades.....	2.00 to 4.00	5.00 to 8.00	3.00 to 4.00	..... to
Richmond, Chatenay, Fancy & Spl..	4.00 to 8.00	5.00 to 8.00	6.00 to 8.00	6.00 to 8.00
Lower grades.....	1.00 to 2.00	2.00 to 4.00	3.00 to 4.00	..... to 4.00
Killarney, Maryland, Fan. & Spl..	4.00 to 10.00	5.00 to 8.00	6.00 to 8.00	6.00 to 8.00
Low grades.....	..... to 1.00	2.00 to 4.00	3.00 to 4.00	..... to 4.00
Ridge, 'Ma'd.....	.25 to 5.00	1.00 to 8.00	1.00 to 5.00	..... to
Kaiserin, Carnot.....	6.00 to 8.00	6.00 to 8.00	3.00 to 5.00	4.00 to 8.00
CARNATIONS, First Quality.....	.75 to 1.00	1.00 to 2.00	2.00 to 3.00	2.00 to 3.00
Ordinary.....	.40 to .75	..... to	1.00 to 1.50	1.00 to
MISCELLANEOUS				
Cattleyas.....	40.00 to 50.00	30.00 to 50.00	..... to .....	..... to 40.00
Lilies, Longiflorum.....	4.00 to 6.00	6.00 to 10.00	8.00 to 10.00	10.00 to 12.00
Lily of the Valley.....	1.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Gladioli.....	3.00 to 5.00	..... to	6.00 to 10.00	8.00 to 10.00
Stocks.....	1.00 to 1.50	..... to .....	..... to .....	..... to
Daisies.....	..... to .50	.40 to .60	.50 to .75	1.00 to 1.50
Snapdragon.....	3.00 to 5.00	4.00 to 6.00	.75 to 1.00	4.00 to 6.00
Sweet Peas.....	.25 to 1.00	.50 to .75	..... to .....	.50 to 1.00
Gardenias.....	..... to .....	..... to .....	..... to	10.00 to 15.00
Adiantum.....	1.00 to 1.25	..... to 1.00	.25 to 1.00	1.00 to 1.50
Smilax.....	12.00 to 15.00	15.00 to 20.00	12.50 to 15.00	20.00 to 25.00
Asparagus Plumosus, strings (100)	..... to 50.00	50.00 to 75.00	35.00 to 50.00	50.00 to 75.00
" " & Spreng. (100 bchs.)	..... to 40.00	25.00 to 40.00	17.00 to 25.00	..... to 50.00

J.A. BUDLONG

82-84-86 E. Randolph St., Chicago

**OUR STOCK IS A-1 AND IT IS QUALITY NOT
PRICES THAT TALKS**

HENRY M. ROBINSON & CO.

15 Province St., 9 Chapman Pl.,
BOSTON, MASS.

Everything in Flowers

Complete Stock of Florists' Greens,
Three Floors of Florists' Supplies.

NEWS NOTES.

Ontonagon, Mich.—Daniel Nehmer & Sons intend to enter the nursery business.

Los Angeles, Cal.—It is said that the last of this month Wolfskill Bros., florists, will go out of business.

TRY MY PRICES.

J. JANSKY, Tel. Main 3652-1, Boston, Mass.
19 Province St.,
Manufacturer of Florist Wire Designs,
All kinds of Florist Supplies.

New crop Dagger and Fancy Ferns, \$1.75 per 100. Green and Bronze Galax, 90c. per 1000; by the case, \$7.50. Boxwood, 50-lb. cwt., \$7.50; by the lb., 25c. Laurel Wreaths, 10-inch, \$1.75 per doz.; 12-inch, \$2.25 per doz.; 14-inch, \$3.00 per doz.; 16-inch, \$4.50 per doz. Laurel Trimming, 4 and 5c. per yd.

ROBERT J. DYSART
Public Accountant and Auditor

Simple methods of correct accounting especially adapted for florists' use.
Books Balanced and Adjusted
Merchants Bank Building
28 STATE ST - - - BOSTON
Telephone, Main 58.

Flower Market Reports.

BOSTON In common with the greater part of the country Boston has been sweltering in a summer broil unprecedented for severity and duration. Flowers are very poor in consequence and but few are being sent in. The demand is very light and is limited to the small proportion of salable material received. The ordinary run of roses, carnations and sweet peas are unloaded with much difficulty on the street fakirs. Cattleyas, lilies and lily of the valley are of satisfactory quality as a rule.

BUFFALO This section has had its share of the hot weather, which has caused stock to arrive in bad condition. There has been plenty of everything in season, though the supply is gradually falling off, especially in the carnation line. Beauties have been fine, but only in light demand the past ten days. Maryland, Kaiserin and Carnots have had the preference. Lilies have had their share in the demand and some good giganteum, auratum and magnificum have been arriving and sell well. Lily of the valley was in good supply, peas in over supply and there was plenty of snapdragon, cornflowers and swainsona as well as plenty of greens.

CHICAGO The first week in July was an exceptionally good one for the season. Shipping trade was particularly active and all stock that could by any means be classified as approaching first class was quickly used up. The demand for lilies has been unusual and one or two growers who had a summer crop of callas found them good sellers, many preferring them to Harrisii which now have so many buds. The few gladioli now being cut sell readily, preference being given to the best varieties. Asters do not amount to much yet, only a few straggling bunches being in the market. Early asters do not give promise of playing a prominent part this summer, growers evidently having planted but few. Carnations that are fair for the season sold readily last week. Roses, of which the Killarney family form the bulk, are small and stems average short. Some of the best, however, sold as high as 12c. during the week. Richmond, though not a summer rose has in other years proved of more service than in this one. New Beauties are beginning to come in and are cut with good stems. Comparatively few out of door flowers are coming in, owing to the hot weather. Green goods sell well and there has been plenty so far, with the exception of smilax. The second week in July opened very dull.

Prices on stock in **CINCINNATI** this market are holding up better than at this time in past years. This is because there is only a limited amount to be had. Sometimes the good stuff cleans up quickly and runs short, while at others its sale is languid. Combined with this there has been a torridity of weather that has made life unbearable for man and flower. In roses the cut of white has shortened slightly, while pink especially have increased. Lilies and gladioli have been very good property, and on most occa-



A Magnificent Lot of
Field-Grown

CARNATION PLANTS

Stock selected and grown especially for our customers. We wish to call particular attention to the Mrs. C. W. Ward plants which are in extra fine shape. Our guarantee goes with every Carnation Plant we send out, so the quality has to be the best for us to back them up in this way.



	Per 100	Per 1000		Per 100	Per 1000
Mrs. C. W. Ward.....	\$8.00	\$75.00	White Perfection.....	\$7.00	\$60.00
Dorothy Gordon.....	8.00	75.00	Beacon	7.00	60.00
Enchantress	7.00	60.00	Winona	7.00	60.00
Rose Pink Enchantress	7.00	60.00	Winsor	6.00	50.00
White Enchantress....	8.00	70.00	Alma Ward.....	10.00	

S. S. PENNOCK-MEEHAN CO.

THE WHOLESALE PHILADELPHIA
FLORISTS OF

NEW YORK
109 W. 26th Street

PHILADELPHIA
1608-1620 Ludlow Street

WASHINGTON
1212 New York Ave.

WHOLESALE FLOWER MARKETS.—TRADE PRICES—Per 100 TO DEALERS ONLY

WHOLESALE FLOWER MARKET									
ROSES		CINCINNATI July 11		DETROIT July 3		BUFFALO July 11		PITTSBURG July 11	
Am. Beauty, Fan. and Sp.	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00	
" Extra	12.00	to 15.00	15.00	to 20.00	10.00	to 12.00	12.00	to 15.00	
" No. 1	8.00	to 10.00	8.00	to 12.00	6.00	to 8.00	6.00	to 10.00	
" Lower grades	2.00	to 4.00	4.00	to 10.00	2.00	to 4.00	3.00	to 4.00	
Richmond, Chateauf, Fan. & Spl.	4.00	to 5.00	5.00	to 8.00	5.00	to 6.00	6.00	to 8.00	
" Lower Grades	1.00	to 3.00	3.00	to 5.00	2.00	to 4.00	3.00	to 4.00	
Killarney, Maryland, Fan. & Spl.	4.00	to 6.00	5.00	to 8.00	5.00	to 6.00	6.00	to 8.00	
" Low. Grades	1.00	to 3.00	3.00	to 5.00	2.00	to 4.00	3.00	to 4.00	
Bride, 'Maid,	2.00	to 4.00	3.00	to 5.00	2.00	to 4.00	3.00	to 4.00	
Kaiserin, Carnot, .....	.....	to	3.00	to 7.00	3.00	to 6.00	3.00	to 5.00
CARNATIONS, First Quality									
" Ordinary	1.00	to 2.00	1.00	to 2.00	1.50	to 2.00	.....	to 1.00
MISCELLANEOUS									
Cattleyas .....	.....	to .....	.....	to .....	.....	to	50.00	to 60.00
Lilies, Longiflorum	10.00	to 12.50	12.50	to 15.00	8.00	to 10.00	8.00	to 12.00	
Lily of the Valley	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00	
Gladioli .....	.....	to .....	.....	to .....	.....	to	4.00	to 6.00
Stocks .....	.....	to .....	.....	to .....	.....	to .....	.....	to
Daisies .....	.....	to .....	.....	to 1.50	.....	to .....	.....	to 1.00
Snapdragon .....	.....	to .....	.....	to	2.00	to .....	.....	to
Sweet Peas	25	to 50	.....	to 1.00	50	to	75	to 75
Gardenias .....	.....	to .....	.....	to .....	.....	to .....	.....	to
Adiantum .....	.....	to 1.00	1.00	to 1.50	1.50	to 1.50	1.50	to 1.25
Smilax .....	.....	to 12.50	.....	to 15.00	5.00	to 10.00	1.50	to 15.00
Asparagus Plumosus, strings (100) ..	.....	to 50.00	25.00	to 40.00	40.00	to 50.00	30.00	to 40.00
" " & Spre. (100 behs.) .....	.....	to 25.00	25.00	to 40.00	25.00	to 40.00	30.00	to 40.00

sions run short of the demand. A few local indoor asters have appeared, but they are still a negligible quantity. Some carnations, mostly Enchantress,

are still offered. The above mentioned and snapdragons form the bulk of the offerings.

(Continued on page 82)

M. C. FORD
Successor to
FORD BROTHERS
321 West 28th Street NEW YORK
FINE ROSES. FANCY CARNATIONS
A Full Line of All CUT FLOWERS.
Telephone, 3870 or 3871 Madison Square

H. E. FROMENT
Wholesale Commission Florist,
Choice Cut Flowers,
57 West 28th St. :: NEW YORK
Telephones: 2200, 2201, Madison Square.

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All choice cut-flowers in season. Send
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Telephones 4626-4627 Madison Square

Edward C. Horan
Wholesale Florist
55 WEST 28th ST.
Tel. 1462 Madison Square New York
1463

D. Y. Mellis, Pres. Robert G. Wilson, Treas.
Greater New York
Florists' Association, Inc.
Now Open for Cut Flower Consignments.
162 Livingston Street, BROOKLYN, N. Y.
Geo. W. Crawbuck Telephone Connection
Manager 3642-43 Main

Moore, Hentz & Nash
Wholesale Commission Florists
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Telephone No. 758 Madison Square New York

WM. P. FORD
Wholesale Florist
45 W. 28 Street, NEW YORK
Call and Inspect the Best Establishment
in the Wholesale Flower District

A. MOLTZ & CO.
Wholesale Florists
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Coogan Building, 55-57 West 26th Street
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NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS

	Last Half of Week ending July 8 1911	First Half of Week beginning July 10 1911
American Beauty, Fancy and Special.....	8.00 to 15.00	10.00 to 20.00
" " Extra.....	5.00 to 6.00	5.00 to 8.00
" " No. 1.....	4.00 to 5.00	2.00 to 5.00
" " Lower Grades.....	2.00 to 3.00	.50 to 2.00
Richmond, Chatsenay, Extra and Special.....	3.00 to 8.00	2.00 to 4.00
" " Lower Grades.....	1.00 to 2.00	.50 to 1.00
Killarney, My Maryland, Extra and Special.....	1.50 to 3.00	2.00 to 4.00
" " Lower Grades.....	1.00 to 1.50	.50 to 1.00
Bride, Maid.....	.50 to 5.00	.50 to 3.00
Kaiserin, Carnot.....	1.00 to 8.00	.50 to 5.00
Carnations, First Quality.....	1.00 to 2.00	1.00 to 1.50
" " Ordinary.....	.50 to .75	.25 to .50

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W. J. COWEE, BERLIN, N. Y.
10,000... \$1.75; 50,000... \$7.50. Sample free
For sale by dealers

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 WHOLESALE COMMISSION FLORISTS
Consignments Solicited
Hardy Fancy Fern Our Specialty
 38-40 BROADWAY, DETROIT, MICH

WILLIAM H. KUEBLER
 Brooklyn's Foremost and Best
WHOLESALE COMMISSION HOUSE
 A First Class Market for all CUT FLOWERS
 28 Willoughby St., Brooklyn, N. Y.
 Tel. 4591 Main

WILLIAM F. KASTING Co.
Wholesale Florists
 383-387 ELlicOTT ST. - - BUFFALO, N. Y.

Flower Market Reports

(Continued from page 81)

Under present conditions of weather and business there is really little of interest or value to be communicated concerning the flower market. All roses, carnations and sweet peas are in the worst possible shape and choice stock of either is almost an impossibility. The finest product for the time being is the *Cattleya gigas*. These are superb and seem to revel in the heated atmosphere. At the other extreme of the *cattleya* class are the *C. Gaskelliana*, which on account of their small size, etc., bring only about one-quarter of the price willingly paid for the *gigas*. Of lilies and lily of the valley there are an abundance and they are usually good, although some poor material is received in both classes. *Gladioli* begin to assert themselves, but the flowers are small. The wholesale houses are almost empty, very little stock of any kind coming in and most of them close at 4 p. m. daily.

Business has fallen off very much, and conditions are now down to a real summer basis. To keep pace with this, many growers are throwing out their stock preparatory to replanting and consequently have little to ship. The weather has been excessively warm, and much of the outside stuff usual at this time of year is dried up. Sweet peas are one of the principal crops affected and are very poor at present. Asters have not improved much during the past ten days. Lilies are in good shape and thankfully received. Another good thing is the double white *petunia*. About once every three years the growers of these hit it right and get good money. But they don't go if there be anything better in sight. Out door *gladioli* have now commenced—varieties like *May*, *Augusta* and *Brenchleyensis* being seen in quantity. Another favorite subject is the light lavender *Centaurea imperialis*. All roses are below standard except *American Beauty*. These are about the best value on the market—the sales of same being as satisfying as could be expected. *Gardenias* are very poor and very scarce. Orchids have shortened up considerably. The hot weather has been pretty hard on field-grown carnation plants.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending July 8 1911		First Half of Week beginning July 10 1911	
<i>Cattleyas</i>	20.00	to 50.00	20.00	to 75.00
<i>Lilies, Longiflorum</i>	2.00	to 4.00	2.00	to 4.00
<i>Lily of the Valley</i>	3.00	to 5.00	1.00	to 2.00
<i>Gladioli</i>	4.00	to 6.00	2.00	to 3.00
<i>Stocks</i>.....	.50	to .75	.50	to .75
<i>Daisies</i>.....	.10	to .25	.10	to .25
<i>Smagdragons</i>	2.00	to 3.00	1.00	to 3.00
<i>Sweet Peas</i> (per 100 bunches).....	2.00	to 6.00	2.00	to 6.00
<i>Gardenias</i>	10.00	to 20.00	15.00	to 20.00
<i>Adiantum</i>.....	.50	to .75	.50	to .75
<i>Samlex</i>	5.00	to 8.00	4.00	to 8.00
<i>Asparagus Plumosus</i> , strings.....	.....	to 35.00	.....	to 35.00
" " & Spec. (100 bchs).....	15.00	to 20.00	10.00	to 15.00

Midsummer dullness is now upon the flower trade. The wholesale markets are dull, with very little good stock coming in. *Gladioli*, lily of the valley and lilies are about the only good stock in sight. Carnations are very scarce. Roses seem plentiful but small and soft. Asters bring \$5, and tuberose stalks \$5.

Long continued heat, with only an occasional shower the effects of which were fleeting, brings vegetation to a sorry pass around Washington. As a consequence local supply of cut flowers is decidedly poor. Retailers report that they find trade unsatisfactory and stagnant. Phlox, asters, dahlias and other garden flowers are in rather unsatisfactory condition. Wild flowers from the corners of the worm fences are displayed attractively by the florists. Summer roses are fairly good, considering everything. The first Beauties, while small, are fairly satisfactory. White carnations are scarce. Lily of the valley of good quality is coming in plentifully. Harry Kirk makes a welcome addition to the yellow roses available.

It is rumored that A. J. Guttman is soon to reenter the wholesale cut flower business at 114 W. 28th St. New York.

Bedford, Mass.—Norris F. Comley, who four years ago leased the greenhouse establishment of Fred. Parker, has relinquished the lease to Mr. Parker and sold him the crop which consists of about thirty tons of tomatoes under glass. Lack of needed water supply, Mr. Comley states, was his reason for giving up the place. He will concentrate his efforts on his own plant in Lexington, Mass., hereafter, and has purchased the glass for a large house which he will add this season.

PERSONAL.

Friends who have felt concerned about the recent illness of David Welch, of Welch Bros., Boston, will be pleased to learn of his arrival at his destination, Mallow, Ireland, in good health and spirits, on July 5.

Mr. Velie, who has now fully recovered from his operation, will resume his duties in charge of the Boston office of Lord & Burnham Co., next Monday, and Mr. De Forest, who has been in charge during Mr. Velie's illness will return to New York.

W. H. Eiss, who has been connected with the W. F. Kasting Co., Buffalo, for some time, has severed his connection with that firm. Mr. Eiss has been in ill health for sometime and left last Tuesday for a trip to the northwest where he has interests in mining. The craft wish him every success.

Cincinnati florists who are away or going away on trips are as follows: Mr. and Mrs. J. A. Peterson for Scandinavia, Denmark and Germany; Max Rudolph and Henry Schwartz for Germany and possibly France; Fred Gear to Rochester, N. Y., with the Shriners; Geo. Trome to Atlantic City, with the Elks; Mr. and Mrs. A. C. Herhman and daughter of Covington, Ky., to Chicago and Alex Ostendorf to Washington and in Virginia on the Potomac.

Philadelphia Visitors: Mr. Trome, prop. Trome's Flower Shop, Cincinnati, O. (on his way to the Elks Convention, Atlantic City, where he has the contract to decorate chair for Exalted Grand Ruler); Mr. Conlon, of the Connelley, McCarthy Co., Charleston, S. C.; Chas. Vorkeller, So. Bethlehem, Pa.; James Brown, of Corbesville, Pa.

Buyer's Directory and Ready Reference Guide

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Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

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R. J. Dysart, 28 State St., Boston.
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AMPELOPSIS

AMPELOPSIS VEITCHII.
Strong seedlings,
50c per 100; \$4.00 per 1000 prepaid.
P. Pearson, 5732 Gunnison St., Chicago.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
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ASPARAGUS

A. Leuthy & Co., Roslindale, Mass.
Asparagus Plumosus Nanus.
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A. N. Pierson, Inc., Cromwell, Conn.
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L. B. Coddington, Murray Hill, N. J.
Asparagus Sprengerii, large 4-in., \$1.50
per doz. \$10.00 per 100. Edw. Holge, 4344
N. Springfield Ave., Chicago, Ill.

Asparagus plumosus nanus seedlings,
\$1.00 per 100; \$8.00 per 1000. Cash or sat-
isfactory references with order.
B. Soltan Fernery,
199 Grant Ave., Jersey City, N. J.
Asparagus Sprengerii, 2½-in. pots, \$1.75
per 100; \$15.00 per 1000. Until further
notice. Cash, please. W. Livesey, 6 Mc-
Cabe St., New Bedford, Mass.

ASTER SEED

Elmer D. Smith, Adrian, Mich.
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AZALEAS

P. Ouwerkerk, Hoboken, N. J.
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A. Leuthy & Co., Roslindale, Mass.
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Lochner & Co., New York, N. Y.
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BAY TREES

A. Leuthy & Co., Roslindale, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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Bay Trees and Box Trees, all sizes
Write for special list
Julius Roehrs Co., - - Rutherford, N. J.

Bay trees, heads 24 in. through, \$12.00 a
pair; heads 28 in. through, \$14.00 a pair;
32 in. heads, \$16.00 a pair; larger plants,
\$18.00, \$25.00 and \$28.00 a pair. Pyramids,
50 in. high from tub, \$10.00 a pair; 75 in.
high, \$18.00 and \$20.00 a pair. A. Schul-
theis, College Point, Queensborough, N. Y.

BEGONIAS

A. Leuthy & Co., Roslindale, Mass.
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Skidelsky & Irwin Co., Philadelphia, Pa.
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Thomas Roland, Nahant, Mass.
Lorraine Begonias.
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A. N. Pierson, Inc., Cromwell, Conn.
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Begonia Lorraine 2½-inch pots,
\$12.00 per 100 \$50.00 per 500
Immediate Delivery.
Julius Roehrs Co., - - Rutherford, N. J.

BOILERS

Kroeschell Bros. Co., 466 Erie St., Chicago.
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BOUVARDIAS

J. W. Foote, Reading, Mass.

BOXWOOD

Boxwood for window boxes, \$20.00, \$25.00,
\$30.00, \$40.00, per 100. Pyramids in tubs,
very fine, \$3.00, \$4.00, \$5.00, \$6.00 a pair.
A. Schultheis, College Point, Queens-
borough, N. Y.

BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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A. Leuthy & Co., Roslindale, Mass.
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Julius Roehrs Co., Rutherford, N. J.
Box Trees all sizes. Ask for special list.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St.,
Boston.
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J. M. Thorburn & Co., 33 Barclay St., N. Y.
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A. T. Boddington, 342 W. 14th St., N. Y.
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Rickards Bros., 37 East 19th St., New York.
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Henry F. Mitchell Co., Philadelphia, Pa.
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T. J. Grey & Co., 32 and 33 So. Market St.,
Boston.
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Ralph M. Ward & Co., 12 W. Broadway,
New York.
Horseshoe Brand.
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James Vick's Sons, Rochester, N. Y.
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Lochner & Co., New York, N. Y.
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John Lewis Childs, Flowerfield, L. I.
Spring Bulbs.
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The W. W. Barnard Co., Chicago, Ill.
Import Bulb List.
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Fottler, Fiske, Rawson Co., Boston, Mass.
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E. S. Miller, Wading River, N. Y.
Bulbs and Roots for Fall Planting.
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CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per
1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
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Chicago Carnation Co., Joliet, Ill.
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CHRYSANTHEMUMS

Wood Bros., Fishkill, N. Y.
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Elmer D. Smith, Adrian, Mich.
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Herrington's book on the Chrysanthemum
mailed to your address for 50c., by
Horticulture Publishing Co., 11 Hamilton
Place, Boston.

Chrysanthemums, rooted cuttings, Mon-
rovia, Polly Rose, \$12.00 per 100. Vinca
Var., 4 in. pots, fine full plants, \$12.00 per
100. Ivy, English, 4 in., \$12.00 per 100.
Chas. Leuker, Freeport, L. I., N. Y.

CHRYSANTHEMUMS—Continued

Chrysanthemum, rooted cuttings, R. Hal-
liday, Amorita, Ivory, Yellow Jones, Min-
nie Bailey, Y. Bonnaffon, Rosiere, Polly
Rose, \$10.00 per 1000. Cash please. Hil-
pert & Hammen, 313 Belair Road, Balti-
more, Md.

CINERARIAS

Cinerarias, best strain dwarf, 2½ in., \$2.00
per 100; 300 for \$5.00. J. C. Schmidt, Bris-
tol, Pa.

COBAEAS

500 Cobaea Scandens, 4 in., \$4.00 per 100,
purple. Or will exchange for Bostona.
Fischer Bros., 614 Dempster St., Evans-
ton, Ill.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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COLEUS

R. Vincent, Jr. & Sons Co., White Marsh,
Md.
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CROTONS

F. R. Pierson Co., Tarrytown-on-Hudson,
New York.
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CUT FLOWER BOXES

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made.
Write for list. Holton & Hunkel Co., Mil-
waukee, Wis.

CYCLAMENS

Cyclamen—Best Varieties in different
colors, 3 inch pots, strong plants, \$10.00
per 100, \$80.00 per 1000. Julius Roehrs
Company, Rutherford, N. J.

DAHLIAS

Herbert, Acto, N. J.
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R. Vincent, Jr. & Sons Co., White Marsh,
Md.
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Dahlias—2500 field clumps, latest varie-
ties, cheap for cash; or what have you to
exchange? Geo. H. Walker, Dahlia Ex-
pert, North Dighton, Mass.

Dahlias, divided roots, from 1 to 3 eyes
to the piece. Send for list and get the
latest varieties. W. P. LOTHROP, Brock-
ton Dahlia Farm, E. Bridgewater, Mass.

DAHLIAS NEW FOR 1911.

Dorothy Peacock, Mrs. J. Gardner Cas-
sett, Golden Wedding, New Century Dah-
lias, etc. Big stock of best cut flower
dahlias. Write for surplus list and special
prices. Peacock Dahlia Farms, Williams-
town Junction, N. J., Post Office, Berlin,
N. J.

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Roslindale, Mass.
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Philadelphia, Pa.
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John Scott, Brooklyn, N. Y.
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DRACAENAS

Dracaena indivisa, 3 feet high and over,
5½ and 6 to 6½ in. pots, in perfect con-
dition, cheap to close out, \$25.00 per 100.
A. Schultheis, College Point, Queens-
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EVERGREENS

New England Nurseries, Bedford, Mass.
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FERNS

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H. H. Barrows & Son, Whitman, Mass.
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Frank Oechslein, 4911 Quincy Street,
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Ferns for Dishes.
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Robert Craig Co., Philadelphia, Pa.
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F. R. Pierson Co., Tarrytown-on-Hudson,
N. Y.
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Bostons, extra large, 6-inch, \$6.00 per
doz. Edw. Dolge, 4344 N. Springfield Ave.,
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Anderson's ferns for in and outdoors.
Largest commercial collection in the coun-
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Anderson, Fern Specialist, Shot Hills, N. J.

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Pulverized Manure Co., 31 Union Stock
Yards, Chicago, Ill.

Wizard Brand Cattle Manure.
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Hardwood ashes, best fertilizer on earth
for lawns and gardens. George Stevens,
Peterborough, Ont., Canada.

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M. Rice & Co., Philadelphia, Pa.
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FLORISTS' LETTERS

Boston Florist Letter Co., 66 Pearl St.,
Boston, Mass.

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W. C. Krick, 1164-66 Greene Ave., Brook-
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Immortelle Letters.

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9 Chapman Place, Boston, Mass.
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M. Rice & Co., 1220 Race St., Phila., Pa.
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E. H. Hunt, Chicago, Ill.
Pre-Inventory Sale.

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Peters & Reed Pottery Co., Zanesville, O.
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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh,
mailed to your address for 55 cents by
Horticulture Publishing Co., 11 Hamilton
Place, Boston.

FREESIAS

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Fischer's Freesia Purity, pure stock, field-
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per 1000. MISS WELKER, 310 Pacific
Avenue, Santa Cruz, California.

GALAX

Michigan Cut Flower Co., 38 and 40 Broad-
way, Detroit, Mich.

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H. M. Robinson & Co., 15 Province St.
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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh,
Maryland.

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Geraniums, our selection, 4 in., \$7.00 per
100; 3 in., \$4.00 per 100; 2 in., \$2.00 per
100; \$18.50 per 1000. More than 100
varieties. Send for geranium catalogue.
A. D. Root, Wooster, O.

GLASS

Boston Plate & Window Glass Co., Boston.
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Standard Plate Glass Co., 26-30 Sudbury
St., Boston.

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25th and 26th Sts., Chicago.

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Sharp, Partridge & Co., 22d and Lumber
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Parshelsky Bros., Inc., 59 Montrose Ave.,
Brooklyn, N. Y.

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Metropolitan Material Co., 1392-1402 Metro-
politan Ave., Brooklyn, N. Y.
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Greenhouse glass, lowest prices. John-
ston Glass Co., Hartford City, Ind.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.

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GOLD FISH

Gold fish, aquarium plants, snails, cas-
tles, globes, aquarium, fish foods, nets,
etc., wholesale. Franklin Barrett, breeder,
4815 D St., Philadelphia, Pa. Large breed-
ing pairs for sale. Send for price lists.

GREENHOUSE BUILDING MATERIAL

A. T. Stearns Lumber Co., Neponset,
Boston.

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King Construction Co., N. Tonawanda, N. Y.
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J. C. Moninger Co., 117 East Blackhawk
St., Chicago, Ill.

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Foley Mfg. Co., Chicago.

Pecky Cypress for Benches.

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S. Jacobs & Sons, 1359-63 Flushing Ave.,
Brooklyn, N. Y.

Lord & Burnham Co.,

1133 Broadway, New York.

GREENHOUSE CONSTRUCTION

Foley Mfg. Co., Chicago.

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A. T. Stearns Lumber Co., Boston, Mass.
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Hitchings & Co., 1170 Broadway, N. Y.
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Lord & Burnham,

1133 Broadway, New York.

Pierson U-Bar Co., Madison Ave., New York
Designer and Builder.

GUTTERS

King Construction Co., N. Tonawanda, N. Y.
King Channel Gutters.

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HAIL INSURANCE

Florists' Hall Assn. of America.
J. G. Esler, Saddle River, N. J.
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HARDY FERNS AND SUPPLIES

H. M. Robinson & Co., Boston, Mass.
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Michigan Cut Flower Exchange,
28 and 40 Broadway, Detroit, Mich.
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The Kervan Co., New York

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J. Jansky, Boston, Mass.

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HEATING APPARATUS

Kroeschell Bros. Co., 468 Erie St., Chicago.
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Lord & Burnham Co.,
1133 Broadway, New York.

HERBACEOUS PLANTS

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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New England Nurseries, Bedford, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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HOSE

H. A. Dreer, Philadelphia, Pa.

S. S. Pennock-Meehan Co., Phila., Pa.

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HYDRANGEAS

F. R. Pierson Co., Tarrytown-on-Hudson,
New York.

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The true blue French Hydrangea from
5½ and 6 in. pots, sky blue, from 8 to 16
branches, \$9.00 per dozen. Best selected
plants, \$12.00 per dozen. Cash please. A.
Schulteis, College Point, Queensborough,
N. Y.

INSECTICIDES

Hammond's Paint and Slug Shot Works.
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Hammond's Slug Shot.

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Nicotinide kills all greenhouse pests.
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Wilson Plant Oil.

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Acme Nicotine Insecticides sold direct to
the grower. Acme 45 per cent. Liquid,
pint \$1.75; gallon \$12.50. Acme Fumigat-
ing Paper, case of 288 sheets \$5.50. Sample
can of 24 sheets 60 cents, postpaid. J. P.
Beeremaker, 9 Washington Ave., St. Louis,
Mo.

GYPSY MOTH CREOSOTE

The original Gypsy Moth Creosote, made
especially by us for the Gypsy Moth Com-
mission. Limpid at all temperatures, com-
pletely penetrates the nest; kills all eggs.
Samuel Cabot, Inc., Mfg. Chemists, Boston,
Mass.

IRON RESERVOIR VASES

Walbridge & Co., Buffalo, N. Y.

In writing to Advertisers kindly mention Horticulture

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Kentia Belmoreana from 2 1/4-in. pots, 3 leaves, \$6.00 per 100; \$25.00 per 1000. Cash or satisfactory references with order.
B. Soltan Fernery,
199 Grant Ave., Jersey City, N. J.

LANDSCAPE GARDENING COURSE.

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TREES, SHRUBS, ROSES, EVER-GREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00 by Horticulture Publishing Co., 11 Hamilton Place, Boston.

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Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
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Orchids—largest stock in the country
Stove plants and Crotons, finest collection
Julius Roehrs Co., Rutherford, N. J.

Orchid Growers' Manual. By B. S. Williams, 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston

Edward V. Low, late of Hugh Low & Co., dissolved, Vale Bridge, Haywards Heath, England "White" Cattleyas and Choice Cypripediums are leading features

PALMS

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PAPER POTS

Paper Pots: 5000 3 in., \$5; 2 1/2 in., \$4; 2 in., \$3. Shipped flat, low freight rates.
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PEONIES

PEONIES—1200 sorts, an enormous stock
List ready. C. Betscher, Canal Dover, O.

Peonies in any quantity. Write for prices on list of your wants. Gilbert H. Wild, Sarcoxie, Mo.

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Petunias (Dreer's), mixed, 2 1/2 in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

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I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan R. Graves, 414 Hayward Bldg., Rochester, N. Y.

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Seele's Tieless Plant Stakes and Trelises. H. D. Seele & Sons, Elkhart, Ind.

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POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp. \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

PRIMULAS

Primulas Chinese, fine plants. 2 1/2 in. \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

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Wanted—Rose plants of any kind. Melrose Garden Co., 90 Melrose St., Providence, R. I.

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SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

Ten bales sphagnum moss, \$7.00. Z. K. Jewett Co., Sparta, Wis.

SPRAYERS

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SWAINSONA

Swainsona, Strong 2 1/2 inch, bud and bloom, \$3.00; 3 inch, \$5.00 per 100. Union City Greenhouses, Union City, Pa.

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WOOD PRESERVATIVE

Conservo Wood Preservative doubles the
life of all exposed lumber. Preserves
benches, posts, sills or planking. Costs
3c. a stick, and saves ten times its cost.
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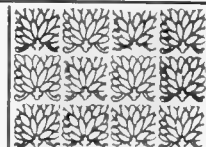
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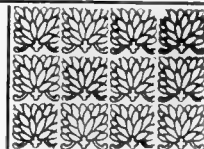
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If you could figure up how much business you do not get because someone had forgotten your address or 'phone number, or because someone did not know you had what they wanted you would be surprised at the amount you had lost.



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St. Louis, Mo.—C. C. Sanders, one house.

Sayville, N. Y.—Charles Fish, house 75x250.

Providence, R. I.—A. Holscher, five houses.

Foxboro, Mass.—Leslie Baldwin, two houses.

Warsaw, Ind.—Wm. Terrill & Son, addition.

Brookville, Pa.—C. W. Espy, house, 30 x 250.

Oaklawn, R. I.—J. Kopelman, range of houses.

Philadelphia, Pa.—Linnaeus Cox, house, 48 x 61.

Norfolk, Va.—William J. Newton, range of houses.

Bayport, N. Y.—Julius Chevalley, house, 30 x 120.

McMunnville, Ore.—S. H. Maris, house, 30 x 100.

Belleville, Ill.—St. Clair Floral Co., house, 27 x 325.

Adrian, Mich.—Elmer D. Smith & Co., range of houses.

Fulton, Ill.—J. E. Kirman, two houses, each 29 x 150.

Huntington, Ind.—Bieberich & Weber, carnation house, 16 x 100.

Salt Lake City, Utah—Murray Commercial Club, range of houses.

Rhinebeck, N. Y.—Rhinebeck Violet Association, range of violet houses.

The contract for the building of Thomas Roland's plant house at Revere, Mass., has been let to the Lord & Burnham Company, through their Boston office. This house, 50x600, is the first of Mr. Roland's proposed new range.

INCORPORATED.

Kalamazoo, Mich.—Kalamazoo Floral Co., capital stock \$20,000.

Muncie, Ind.—Muncie Floral Co., capital stock \$2000. Incorporators Lewis King, Zora M. King, W. H. Fisher.

Waterbury, Conn.—Alexander Dallas, capital stock \$40,000. Incorporators, Alexander Dallas, Catherine Dallas and Walter Dallas.

Rochester, N. Y.—Fairview Nurseries, capital stock \$20,000. Incorporators, Edward B. Oliver, and Charles G. Schoener of Rochester and George W. Oliver of Irondequoit, N. Y.

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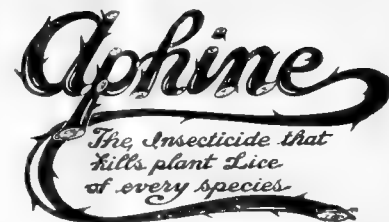
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Dept. H, Springfield, Mass.



Destroys green, black and white fly, red spider, thrips, mealy bug, brown and white scale, and all soft-bodied insects. An excellent cleanser for decorative stock. Used as a spray, you can rely on it for positive results, without fear of failure or dissatisfaction.

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An infallible remedy for mildew, rust and other fungus diseases. A clean, safe and easily applied spraying material. It has no equal for destroying mildew on roses, and carnation rust.

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We have used **Slug Shot** and always found it very useful. Our potato crop yielded 200 bushels to the acre. **Slug Shot** for Cabbage Worms is the best defense in the world.

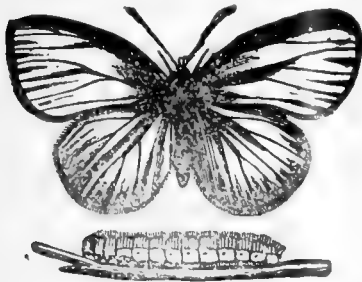
Very truly, F. A. DRAKE.

Cabbage Worms.

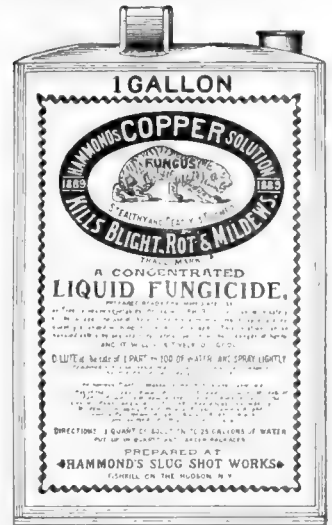
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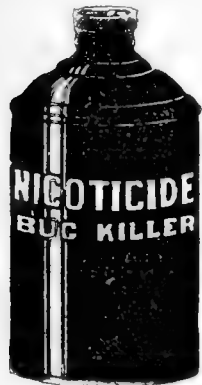


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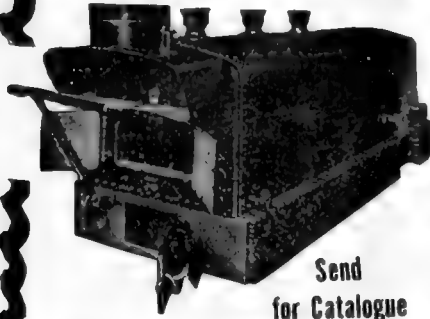
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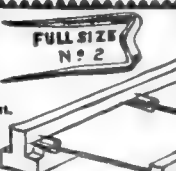
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NEW YORK

HORTICULTURE

Vol. XIV.

JULY 22, 1911

No. 4



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At Elizabeth Park, Hartford, Conn.

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LANDSCAPE GARDENER,**
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LILIAM MYRIOPHYLLUM Mr. E. H. Wilson, the famous plant collector, collected for us the bulbs now offered, in North-western China. He considers this the finest of all lilies. It is absolutely hardy, and is excellent for forcing. It has been predicted that this will become the Easter Lily of the future, and being so hardy, may be grown at home. The flowers are white, slightly suffused with pink and with a beautiful shade of canary yellow at the centre, and extending part way up the trumpet. It is delightfully perfumed, reminding one of the jasmine, and lacking the heavy oppressive odor of most lilies. Blooms out-of-doors early in July.

Orders booked now for October delivery. Bulbs each, \$1.50; dozen, \$15.00.

LILIAM LEUCANTHEMUM The bulbs offered were also collected by Mr. Wilson. This is one of the strongest growing lilies - frequently attaining a height of six to eight feet. The flowers vary in number from five to ten on a stalk, and in size and shape resembling *Lilium Harrisii*, greenish white shaded purple on the outside, and of the purest white within with a tint of citron in the centre. The flowers have a pleasing fragrance. This lily will undoubtedly be largely used for outdoor planting as well as for forcing. Many consider it the finest of all tubular-flowered lilies. It flowers somewhat later than *Lilium myriophyllum*, and being of larger growth, has a distinct place.

Orders booked now for October delivery. Bulbs each, \$1.50; dozen, \$15.00.

R. & J. Farquhar & Co.

SEEDSMEN AND NURSERYMEN

6 AND 7 SOUTH MARKET ST., BOSTON

Seasonable Notes on Culture of Florists' Stock

CALLAS

Don't neglect your richardias now. Shake all the old soil off and pot up into 6 or 7 inch pots. Give them a compost of three parts fibrous loam to one of well-decomposed cow manure and a good dash of bone meal. After the bulbs are potted they should be placed outdoors in a frame with coal ashes to stand on. Care should be exercised in watering for at this stage they make roots rather slowly and are very likely to receive too much water. Neither allow the plants to dry out too much nor keep soaked with water, as one is as bad as the other. When they have made some top growth syringe them regularly every day, and fumigate whenever there are signs of thrips or fly. You can keep them out in a frame until there is danger of frost. Some time in September they can be given a place in a well-lighted house that does not run below 60 degrees at night.

MULCHING MIXTURE

Now is the time to prepare your mulching material for fall and winter use, on all such crops as roses, carnations, etc. By getting the material ready now it will save time and some anxious worry later on. In preparing this mulch make it rich. I would say let it consist of two parts of well-decomposed cow manure to one part of good fibrous soil. You will have to chop it up quite fine and make it up into a neat pile and let it stand for about three weeks and then turn it over three or four times at intervals of about every ten days, when it will be in a fine mellow condition to put through a $\frac{3}{4}$ -inch screen. This should then be stored away under a shed or any other place where the rain and snow will not reach it. Where you want to use bone meal or other fertilizing material this can be added at any time before applying. Having this mulch in good condition and in a handy place under cover constitutes one of the first elements of success in growing good flowers.

PANSIES

From now until August 20th pansy seed for spring use should be sown, but as a general rule with a majority of florists the first week in the next month is the date selected. Buy the large-flowering strains and sow in a cold frame. Make a compost of loam and leaf mold in equal parts and add about one-third of well-decayed manure. After digging over your frames, place about four inches of the above mixture, for, to grow pansy to perfection you simply must give a soil of high fertility. Shade the frames with whitewashed sash or, what is still better, lath shutters, with laths about half an inch apart. Sow the seed in drills about four inches apart. After the seedlings have made their second pair of leaves they can be thinned out to stand about four inches apart and the others that you have thinned out can be trans-

planted into other frames of rich soil. Be sure to keep the beds moist and clear of weeds.

PAINTING AND REPAIRING

A few reminders about painting and repairing will not be out of place now. Summer is the best time for this kind of work, when houses are dryer and the weather such that you can give them full exposure to the drying air. You can make all such work more tolerable by shading your house or by placing some covering over the roof during torrid weather. All necessary work to put houses in good condition before the approach of cold weather should be done now. There is nothing worse than leaky and draughty houses. Give a general inspection as to painting, puttying, and repairing; examine boilers, fire-boxes and grates, also give piping a thorough going over and readjust ventilators and all other machinery. If you take note you will find that the most prosperous growers are always those who put their houses in proper shape before the cold weather sets in.

RAMBLER ROSES

When Ramblers have made a long and stout growth they should be put outside to ripen up their wood. Place them on some material which they will not root into for you do not want them to make any more growth but to give them a gradual ripening up. Great care should be taken not to harden up the wood too early. Don't let them wilt on account of the lack of moisture in the soil, but keep them watered for some time yet as from now until the end of August they are making buds that will give you fine trusses of bloom for next Easter. See that each plant has room to allow plenty of light and air around it. By the end of August you can begin to shorten up on the water and by the time we begin to have cold weather they will be nicely ripened up.

SOLANUMS

Berried solanums that are in the field should be encouraged to make rapid and bushy growth. Those that seem to be making too much top growth should have their tops pinched out. During the next six weeks these plants, if on well enriched land, will make fine large and bushy stock. Keep the soil well-stirred which will help these plants during the dry part of the summer and keep them growing right along. If the weather is very dry it would be wise to use the hose where possible. When watering them give one good and thorough watering and that will suffice for at least ten days. Merely sprinkling the plants should not be practiced as it does more harm than good. These plants can be lifted and potted up the last of August or early in September. Keep them freely syringed and shaded for a few days and they will soon become established.

John J. M. Farrell

Mr. Farrell's next notes will be on the following: Violets; Bougainvilleas; D.

St. gardenias; Schizanthus

Our Seventh Annual Convention Number

Will be issued under date of August 12, 1911. It will be full of interest for those who go to the Convention at Baltimore, and equally so for those who stay at home. It will be widely distributed and in publicity value to the advertiser will have no superior. Take a generous sized space. You'll find yourself in good company. ❀ ❀ ❀ ❀ ❀ ❀ ❀ ❀ ❀

IT PAYS!

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HORTICULTURE

VOL. XIV

JULY 22, 1911

NO. 4

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Window boxes

It is interesting to read in the London Morning Post the list of plants most generally in use for window boxes. Besides the zonal and ivy-leaved pelargoniums, yellow daisies, nasturtiums, petunias, fuchsias and ver-

benas which, with a number of other things not mentioned, make up the popular list for such purposes in this country, there are mentioned *Cytisus racemosus*, *calceolarias*, musk and several species of campanulas. In this connection we notice that the Philadelphia North American bemoans the fact that there is a very evident falling off in the quantity of window gardens in Philadelphia as compared with two years ago and observes that "it seems a pity that the custom is dying out." We trust the North American is mistaken. The Philadelphia florists should see to it that the custom does not die out in their city. Florists in other cities, likewise.

Convention time

The receipt of the preliminary announcement and program for the Convention of the Society of American Florists and Ornamental Horticulturists reminds us that the time for that important annual event is almost here. The program for the various sessions at Baltimore, as given, affords but little idea of the interest and significance that will attach to the meetings and the matters of vital import to ornamental horticulture which will receive attention. For the majority of members no doubt the special sectional sessions arranged for Thursday will present the greatest attraction, each individual being drawn to that department most closely touching his own welfare. While these divided meetings may be numerically small they are, however, likely to accomplish much more in a practical way than is the case with large mass gatherings such as have been the rule at most S. A. F. Conventions in the past and we think the Society will do well to still farther enlarge upon this sort of Convention activity from year to year. More detail as to what topics are to be discussed in the sectional meetings would seem to be desirable in this preliminary program. A little more meat in the document would have added considerably to its persuasive value in stimulating attendance at Baltimore.

Don't miss it

From advices received from time to time it is in evidence that local Convention preparations are being carried forward with commendable diligence. The Baltimore spirit of hospitality is something more than an emotion—it is business with the Baltimorean and the orderly system and masterly grasp of details which they have attained was well evidenced on the occasion of the side visit to Baltimore at the time of the Washington Convention and previously at the American Carnation Society's meeting. The trade exhibition, also to some extent under local direction, is an assured phenomenal success as a perusal of the list of amounts of space already spoken for will show. This exhibition is now, in truth, the strongest support of the S. A. F. Convention as an all-important annual event, from a trade standpoint. When it is considered that this is the second big display of the kind within five months—both in eastern territory—the attitude of the leading manufacturers, growers and dealers in horticultural goods and of the purchasing element in the trade towards this feature as a business enterprise must be obvious. The absence of any dealer from this affair now, savors of business suicide and the consumer who misses this golden opportunity to keep in touch with what is new and improved is making a very costly mistake.

BRITISH HORTICULTURE.

The Olympia Show.

In previous years the Royal Horticultural Society has held a summer show in the picturesque grounds of Holland House, Kensington. This privilege is no longer available. Consequently the society had to select Olympia in West London as the venue of the exhibition. This is a spacious and unsightly building, usually selected for the international horse show and other big events. It furnished a large area for trade exhibits, but the undraped roof proved very trying to the flowers during the spell of excessively hot weather experienced. The leading firms sent their finest floral treasures. There was room for improvement in the general effect produced, the stands being arranged on conventional lines, without any serious attempt to produce any bold effects with artistic grouping. The chief prize was a 50-guinea silver-plated Coronation challenge cup, offered by the Council for the most meritorious exhibit. This was secured by Messrs. H. B. May & Son, of Edmonton, who, as usual, distinguished themselves with their fine display of ferns. The Olympia cup was secured by Messrs. W. Paul & Son, of Waltham Cross, whose array of roses elicited endless admiration. The cut blooms included Mme. Jules Grolez, Mme. Ravary, Le Progres, Joseph Hill, Mrs. A. Waddell, Richmond, Celia, etc. Standard Ramblers made a grand show. The Sherwood cup was allotted to the Duke of Portland for a magnificent collection of fruit, which was admirably staged.

Lady Carnation Exhibitors.

Amongst the carnation exhibits was an interesting collection staged by the Thatcham Fruit and Flower Farms, near Newbury, Berks. This is an undertaking which owes its origin to the enterprise of two ladies, Miss Hughes-Jones and Miss Peers. Some ten years ago they rented an old farm-house and a field. With the assistance of some students they erected glass houses and frames. A successful market garden on the French intensive lines was subsequently established. About five acres of land are under cultivation, with about 700 feet of glass. The leading varieties of carnations are being cultivated on the American system; these are supplied to the London shops. Judging from the quality of the flowers staged a very high cultural standard has been reached. Lady students are trained in all branches of commercial horticulture at this nursery. Women are invading all professions on this side of the Atlantic, and already there are several who are profitably engaged in nursery and market gardening work. A woman gardener has built up a lucrative mail order concern; she reaches a large number of customers through the medium of the religious press. Another lady has worked up a good business as a landscape gardener, in which she finds full scope for her artistic abilities. Recently a very attractive show was held in London in connection with the Women's Agricultural and Horticultural Union. Amongst the varied displays were some instructive plans and models of gar-

dens made on waste spaces by school children of New York, U. S. A., shown by Miss Parsons, daughter of the organizer. The show was an indication of the advance made by women in this particular branch. W. H. ADSETT.

SWEET PEAS AT PASADENA, CAL.

Editor HORTICULTURE. No. 10 to be entirely outdone by the National Sweet Pea Society of America, we had a show of sweet peas at Pasadena, by invitation of the Board of Trade of that beautiful city, in Southern California, on the very same day the National Society was holding its show in Philadelphia, Pa.

The accompanying little picture was taken of the group made in the greenhouse at Floradale, the Burpee Farm at Longwood, Cal., before same was sent by express to its destination, and this



is what Mr. Barnhart, editor of the acknowledging receipt of same:

"The sweet peas arrived in perfect condition. I had a bevy of pretty girls unpack them and arrange them in a way that only girls can."

"Lonsdale! they were great and no mistake. The crowds of people who visited that show, I think, took down every name, and absorbed the copies sent of the '35th Anniversary Supplement' in no time."

The sweet peas growing here on Floradale seed farm are apparently trying to make up for lost time, for they are now growing very rapidly and blooming much more satisfactorily than they were when the blooms were gathered to be sent to Pasadena. We cannot, however, tell at this writing what the harvest will be. Bountiful I hope.

EDWIN LONSDALE.

PERSONAL.

E. H. Wilson, wife and daughter, will sail from Liverpool for Boston on the Zealand, on August 15, to take up a permanent residence here.

J. F. Musiel has been engaged as grower and manager for the new greenhouse department of the Greening Nursery Co., Monroe, Mich.

Otto W. Frese has accepted a position as manager of the Chicago Flower Growers' Association store, Chicago, Ill., which will be opened August 1st. Mr. Frese resigned his position with Pochlmann Bros. July 5th.

We learn from a letter just received from England that *Lilium myriophyllum* is being offered there from 15 shillings to one pound a bulb. This is about three times the price quoted in this issue of HORTICULTURE by Messrs. Farquhar who control the stock in America.

A NOTABLE CANANDAIGUA, N. Y., ESTATE.

Scrubberg is the charming summer residence of Mrs. F. F. Thompson, who opens each month during the season. The rows open the beautiful grounds to the public, who thoroughly appreciate the graceful act. Approaching the main entrance which faces a drive about one-half mile long, the first thing that strikes the visitor is a splendid pair of Colorado blue spruce, standing like sentinels on either side of the main gateway. Inside one passes through an avenue of fine specimens of *Thuja gigantea* fully 20 feet in height. The path leading to the left leads to a Japanese garden which is an exact reproduction of a Toki palace garden. To the right is situated the fine range of glass presided over by Robt. Ballantyne, who is justly proud of his charges, particularly the fruit section. At the time of my visit the peach house was a glorious picture, a heavy crop of Royal George being in perfect condition. Other varieties grown are Ellruge and Rivers' Orange. The melon house will shortly be a delight to the eye with its heavy crop of luscious fruit. Irondequoit is a favorite variety with Mr. Ballantyne. The orchid houses are almost empty, most of the splendid specimens being summered outdoors under laths. They are the picture of health.

The drouth has been a great drawback to all plants outside, the subtropical bedding being especially affected. The hardy borders are a grand sight, a long bed of *Monarda didyma* in one direction and a similar bed of *delphiniums* directly opposite made a pleasing contrast.

Ten thousand visitors at one time have been recorded at this lovely spot overlooking Lake Canandaigua.

W. M.

ROSE GARDEN AT ELIZABETH PARK, HARTFORD, CONN.

Our cover illustration shows a pretty view of the Rambler rose arches in this great rose garden, planned and laid out by Theodore Wirth when he was superintendent of the Hartford Park Department and well carried on and cared for by his successor, George A. Parker, and his efficient assistant, Alex. Cumming, Jr., who has especial charge of the roses. The collections of all class of roses from the diminutive dwarf polyanthas up to the most rampant climbers are very extensive and, all being carefully labeled, the opportunity for studying and identifying varieties is unexcelled and is taken advantage of by throngs of visitors.

The garden, as a whole, this year was grand and it is not stretching the truth to say there was not a noticable flaw in it. The picture we present shows how luxuriantly the ramblers have grown and bloomed.

Eight lights of high candle power have been installed this year, making the Garden usable through the evening. The roses showing well under the special light. Mr. Parker tells us that the evening lighting has been successful even beyond expectations, as attracted several hundred visitors in the evening and enabled a class of people to visit this garden who would be unable to do so during the day time.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS

Preliminary Programme of the Twenty-Seventh Annual Meeting and Exhibition to be held at the Fifth Regiment Armory, Baltimore, Maryland, August 15th, 16th, 17th and, 18th, 1911

Tuesday, August 15, 1911.

2.00 P. M.—“Address of Welcome,” His Excellency, the Governor of Maryland; “Address of Welcome,” His Honor, the Mayor of Baltimore. Response, Robert Craig. Address, President George Asmus. Reports of Officers, Committees, etc. Report of Committee on President's Address. Discussion. Miscellaneous Business. Judging of Trade Exhibits.

7.30 P. M.—President's Reception. President Asmus wishes it distinctly understood that the reception will be informal and that the most comfortable costume will be the most appropriate.

Wednesday, August 16, 1911.

9.30 A. M.—Reciprocity with Canada on Floral Products. From the American Standpoint, Mr. P. Welsh. From the Canadian Standpoint, Mr. E. I. Mepsted. Discussion. Advisability of a Spring Meeting, Wm. F. Kasting.

10.30 A. M.—Selection of Next Meeting Place. Nomination of Officers for 1912. Report of Judges of Trade Exhibit. Annual Meeting Ladies' Society of American Florists.

2.30 P. M.—The Private Gardener, Wm. Duckham. Discussion. The National Flower Show, F. R. Pierson. Discussion.

8.00 P. M.—Illustrated Lecture, “Ornamental Horticulture Abroad,” J. K. M. L. Farquhar.

Thursday, August 17, 1911.

9.00 A. M.—Sectional Meetings. Florists' Telegraph Delivery. American Gladiolus Society. American Carnation Society. American Rose Society. National Sweet Pea Society. Florists' Hall Association.

11.00 A. M.—Election of Officers. Amendments to Constitution and By-Laws to be acted upon. To amend Article IV, Section 2 to read as follows:

Section 2. Fees and Assessments.—Any eligible person may become a member of the Society on the payment of \$5.00, and such payment shall cover the annual dues for the balance of the calendar year.

The annual dues shall be \$3.00 per year, payable in advance on the first day of January. Any person may become a life member on payment of \$50.00 and be exempt from all further assessments.

Afternoon.—Bowling Contest and Other Sports.

8.00 P. M.—In hands of Ladies' Society of American Florists.

Friday, August 18, 1911.

In the hands of the Gardeners' and Florists' Club of Baltimore.

THE TRADE EXHIBITION.

List of Exhibitors to July 7th.

Section A.

Robert Craig Co., 600 sq. ft.; F. R. Pierson Co., 300 sq. ft.; Bobbink & Atkins, 300 sq. ft.; Lager & Hurrell, 150 sq. ft.; H. Eichholz, 50 sq. ft.;

Fred Lapp, 50 sq. ft.; Conard & Jones Co., 50 sq. ft.; Henry A. Dreer, 600 sq. ft.; Chas. D. Ball, 100 sq. ft.; Shaw Fern Co., 150 sq. ft.; Storrs Harrison Co., 50 sq. ft.; Jackson & Perkins Co., 80 sq. ft.; W. A. Manda, Inc., 300 sq. ft.; I. H. Moss, 200 sq. ft.; Harrison Bros., 200 sq. ft.;

Section B.

John Lewis Childs, 300 sq. ft.; B. Hammond Tracy, 100 sq. ft.; Arthur Cowee, 300 sq. ft.; J. B. Hutchinson, 40 sq. ft.;

Section C.

Lord & Burnham Co., 320 sq. ft.; U. S. Radiator Corp., 320 sq. ft.; Hitchings & Co., 320 sq. ft.; Kroeschell Bros. Co., 320 sq. ft.; M. Garland & Co., 320 sq. ft.; Johnston Heating Co., 320 sq. ft.;

Section D.

Revere Rubber Co., 200 sq. ft.; Means & Thatcher, 100 sq. ft.; Gem City Boiler Co., 200 sq. ft.; A. H. Hews & Co., 100 sq. ft.; Wilson Plant Oil & Fertilizer Co., 100 sq. ft.; Thomsen Chemical Co., 100 sq. ft.; Wilmer Cope & Bro., 100 sq. ft.; Advance Co., 100 sq. ft.; American Auxiliary Heating Co., 200 sq. ft.; Morehead Mfg. Co., 40 sq. ft.; King Construction Co., 40 sq. ft.; Plant & Land Food Co., 160 sq. ft.;

Section E.

Jos. G. Neidinger, 400 sq. ft.; Edwards Folding Box Co., 100 sq. ft.; Wm. J. Boas & Co., 100 sq. ft.; Reed & Keller, 400 sq. ft.; Schloss Bros., 200 sq. ft.; Roseville Pottery Co., 200 sq. ft.; Wertheimer Bros., 200 sq. ft.; Bayersdorfer & Co., 900 sq. ft..

Section F.

Herny F. Michell & Co., 600 sq. ft.; Griffith & Turner, 300 sq. ft.; Stumpp & Walter Co., 300 sq. ft.; A. T. Boddington, 300 sq. ft.; Henry A. Dreer, 300 sq. ft.; Hubert Bulb Co., 150 sq. ft.; Julius Roehrs Co., 300 sq. ft.;

Section G.

S. S. Pennock-Meehan Co., 200 sq. ft.; Jones the Holly Wreath Man, 200 sq. ft.; McFarland Publicity Service, 100 sq. ft.; J. Bolgiano & Sons, 400 sq. ft.; Florists' Exchange; Alphine Mfg. Co.; O. F. Zurn Co.

“Exhibitors are reminded that the duties of the Judges are limited to the consideration of and the making of awards to Novelties and Improved Devices only. Exhibitors are required to make previous entry of all such exhibits with the Superintendent in writing.” Full rules and regulations, together with the rates, may be obtained by addressing “Mack” Richmond, Superintendent, 1813 Pulaski street, Baltimore, Md.

TRANSPORTATION.

The Trunk Line Association has granted a rate of one and three-fifths

(13-5) on the certificate plan. Tickets may be secured not earlier than August 11th and not later than August 16th, except from stations where it is possible to reach Baltimore by noon of August 17th when tickets may be secured on that date. Tickets will be good returning up to and including August 22d.

In securing your tickets purchase a regular full one-way first-class fare and be sure to request a certificate. No reduction in fare will be made unless a certificate be secured at the time of the purchase of the ticket.

For those living outside the district of the Trunk Line Association inquiry should be made of your local agent for rates to Eastern points. There are many rates in force during August and it is possible to travel at a much reduced fare.

Where members are desirous of joining parties from the larger cities information concerning the trip may be secured by writing to the secretaries of the local florist organizations.

HOTELS.

List of the leading hotels in Baltimore, rates and location. These hotels are all on the European plan.

Hotel Belvedere, “Headquarters,” Charles and Chase streets. Rooms, without bath, \$2.00 to \$4.00 per day. Rooms, with bath, \$3.00 to \$9.00 per day.

Hotel Rennett, Liberty and Saratoga streets. Rooms, without bath, \$1.50 to \$4.00 per day. Rooms, with bath, \$2.50 to \$6.00 per day.

Hotel Stafford, Mt. Vernon place. Rooms, without bath, \$2.00 to \$4.00 per day. Rooms, with bath, \$3.00 to \$7.00 per day.

Hotel Altamont (three squares from Convention Hall), Eutaw place and Lanvale street. Rooms, without bath, \$1.00 per day. Rooms, with bath, \$1.50 per day up.

New Howard, Howard, near Baltimore street. Rooms, without bath, \$1.50 to \$2.50 per day. Rooms, with bath, \$2.50 to \$3.50 per day.

Hotel Caswel, Baltimore and Hanover streets. Rooms, without bath, \$1.50 to \$2.50 per day. Rooms, with bath, \$2.50 to \$3.50 per day.

The New Carrollton, St. Paul, near Baltimore street. Rooms, without bath, \$2.00 up. Rooms, with bath, \$2.50 up.

Hotel Junker (Strictly Stag), 20-22 E. Fayette street. Rooms, without bath, \$1.00 to \$1.50 per day (each person). Rooms, with bath, \$1.50 to \$2.50 per day (each person).

Hotel Raleigh, Holliday, near Fayette street. Rooms, without bath, \$1.00 to \$4.00 per day. Rooms, with bath, \$2.50 to \$4.00 per day.

Hotel Kernan, Franklin and Howard streets. Rooms, without bath, \$1.50 up. Rooms, with bath, \$2.00 up.

For further information, address

WILLIAM FEAST,
331 N. Charles St., Baltimore, Md.,
Chairman pro tem “Hotel Committee.”

DUES.

All members should send in their dues in advance and secure their certificates and badges and so avoid the necessity of waiting at the Secretary's office to pay their assessment. This will also be a great convenience to the Secretary, who has many other duties

to perform. Dues cannot be paid while meetings are in progress. A badge and membership receipt are absolutely necessary before any individual can sign the roll and receive invitation cards for any of the entertainments. This rule will be strictly enforced. Badges will also be necessary in order to get into the Exhibition Hall. All not having badges will be required to pay the admission fee.

On receipt of \$3.00 from those who have paid their 1910 dues or \$5.00 from all others, the Secretary will promptly mail to the sender a certificate and badge. Bring your certificate to the Convention with you.

Send your dues now to the Secretary, H. B. Dorner, Urbana, Ill.

BOSTON TO BALTIMORE.

The Boston delegation to the S. A. F. convention in Baltimore will leave the South station, Sunday, August 13, at 6 P. M. The trip will be made by way of the Fall River boat which should make this route especially popular. The delegation will arrive in New York about 7 A. M. on the 14th, leaving at noon with the New York delegation due to arrive in Baltimore at 4.16 P. M. The Belvidere Hotel, the official S. A. F. headquarters, will be headquarters for the Boston delegation. The fare will be \$8.50 going, by the certificate plan. 3-5 rate return. Reservations for staterooms etc., can be made through W. A. Hastings, State Vice-President, S. A. F., Boston Flower Exchange, C Park street, up to August 11. This should be a good chance for those florists who are not members of the S. A. F. to put in their application for membership through the State Vice-President.

It is expected that Boston will turn out a good-sized crowd, especially as they have a favorite candidate for the S. A. F. presidency in J. K. M. L. Farquhar, whose good and faithful work on the National Flower Show is deeply appreciated not only by the Boston people but by the fraternity in all parts of the country.

NEW YORK TO BALTIMORE.

As the time is drawing near when the work in the greenhouse is less, it gives us time to think of the convention of the S. A. F. and O. H. This is an event in which every "live" florist should be interested. To perfect the necessary arrangements, John B. Nugent, President of the New York Florists' Club has appointed a very much alive transportation committee, Frank H. Traendly, chairman, and this committee has left nothing undone to make this the banner year en-route to the Convention City. They have arranged for a special train, the best equipped on the B. & O. R. R. to convey the members and their friends to Baltimore. Train leaves West 23d St., 11.50 a. m., and foot of Liberty St. at noon on Monday August 14th. At the last meeting of the club a resolution was passed extending an invitation to members and friends of the S. A. F. and O. H. and their guests en-route to Baltimore.

The fare on the certificate plan will be \$4.65 going and return \$2.80. Do not miss this opportunity. Those of us who attended the convention at Rochester still have in mind the enjoyment we had en-route, and Mr. Traendly has as-

sured me that this trip will outclass that of last year. Those who are not members of the S. A. F. and O. H. or the New York Florists' Club should not hesitate a moment in announcing their intention of attending, and should let Mr. Traendly know so he can make the necessary arrangements for accommodation. Every florist can arrange his work so that he can be with us, to meet brother florists from all parts of the United States and Canada, and the exhibition, I am sure, will well repay you.

Application blanks for membership will gladly be furnished. Do not forget the date.

Hoping to have the largest attendance that ever left New York City,

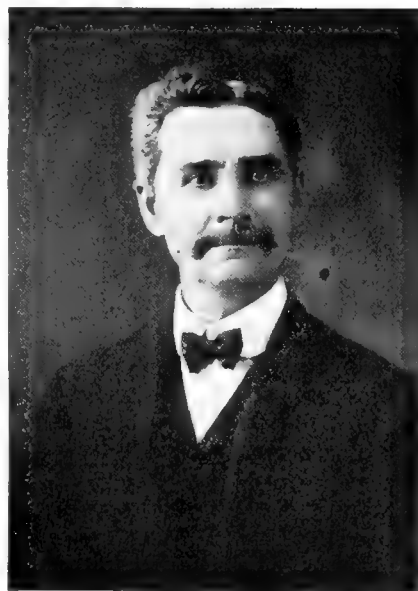
With kindest greetings,

A. L. MILLER,

State Vice-President, New York-East.

A NEW ENGLAND BEAUTY SPOT.

One year ago we gave a description of the work of improvement and de-



DAVID F. ROY

velopment being done on the fine estate of Col. H. E. Converse at Marion, Mass., on the shores of Buzzard's Bay. "The Moorings," as the place is appropriately named, comprises about 80 acres of elevated undulating land well clothed with luxuriant woods, the broad verandas of the mansion overlooking the gardens and a sea view of rare beauty.

The superintendent in charge of the estate is David F. Roy, and in our notes last year we described briefly some of the more important work he was doing in bringing up the grounds and plantations to a high horticultural standard during the three or four years since Col. Converse had acquired it. We have been familiar with Mr. Roy's ability as a gardener for many years, but must confess we were not prepared for the wonderful results of one year's further development which were in evidence when we recently revisited The Moorings, the achievement being all the more remarkable because of the well-known sandy and unproductive character of Cape Cod's soil. The improvements carried forward in the past year in-

clude a broad expanse of velvety lawn where last year was a potato field, the completion of a tennis court, said to be one of the best in the country, the extension and planting of the aquatic pools and picturesque rockeries, the planting of large groups and skirtings of rhododendrons and conifers and the finishing up of a spacious rose garden enclosed by hedges of the newest and best of the Ramblers. The flower garden is extensive and exceedingly brilliant, the fruit houses are filled with luscious product and on every side the transformation accomplished in so brief a period is a delightful surprise. This is one of the estates in competition for the Hunnewell Triennial Premium, and the present is its third year of inspection by the Garden Committee of the Massachusetts Horticultural Society. These premiums are awarded for improvements and skilful care, and are a stimulus to ambitious effort on the part of proficient gardeners such as D. F. Roy, aided and abetted by the unstinted liberality and encouraging comradeship of "the best employer in the world," as Col. Converse is lovingly portrayed by his faithful adherent, and we are sure that nothing but death will ever part these two congenial friends.

IN A HARTFORD GARDEN.

In a recent visit to the garden of the Goodwin estate at Hartford, Conn., we were much interested in the method followed by that accomplished gardener, J. F. Huss, in raising dahlias in pots for exhibition. The plants are grafted, each on a single tuber which has been cut off below the eye. The result is dwarf, bushy specimens, symmetrical and beautiful. The pots are plunged outside. Among the bedding begonias we were greatly impressed with *Perle de Geneve*. It forms a veritable ball of vermilion pink bloom, compact and very uniform and has gone through this exceptional summer in perfect condition. Another striking picture is a bed of *heliotrope La Duse*. It is dwarf and sturdy in habit and produces enormous flat spikes of rich dark color. No grower of bedding plants should omit this fine *heliotrope* from his list. Mr. Huss says that its only fault is that he finds it rather hard to winter.

Dianthus Chinensis Vesuvius makes a dazzling edging for a long mixed border. The individual plants vary occasionally in color but the type is dazzling scarlet. The flowers are single with deeply laciniated petals and very profuse. It is one of Haage & Schmidt's introductions.

The fern rockery at this place is always a most interesting and inspiring sight. Every variety of hardy ferns obtainable in any part of the world have been assembled here in picturesque groups and masses and the sportive *filix-femina* is seen in most astonishing and almost endless variations. The rose garden, than which there is none better kept in this country, has been very fine this year.

Mr. Huss says that the slaughter of conifers last winter was the worst in his experience. This accords with reports generally from all sections of eastern United States.

CLUBS AND SOCIETIES

AMERICAN GLADIOLUS SOCIETY.

Schedule of prizes for the Second Exhibition of Gladiolus Blooms to be held in connection with the S. A. F. Convention at Baltimore, Md., August 15-18, 1911.

Open Class.

No. 1. Henry F. Mitchell Co. Silver Cup for the best 25 spikes of new Gladiolus Kunderdi "Glory" exhibited in one vase.

No. 2. Vaughan's Seed Store. Silver Cup for the best and largest collection of blue shades in lots of 6 separate colors; not less than 25 spikes.

No. 3. M. Crawford. 50 bulbs of Gladiolus "White Lady" for the best 6 spikes of any white variety.

No. 4. Peter Henderson & Co. \$10 for the best 10 varieties not now on the market; 3 spikes each.

No. 5. W. Atlee Burpee. \$10 for the best collection of 10 varieties; 6 spikes each.

No. 6. E. E. Stewart. \$5 for the best vase of 12 spikes Gladiolus "Golden Queen."

No. 7. E. E. Stewart. \$5 for the best vase of 12 spikes Gladiolus "President Taft."

No. 8. B. F. White. \$5 for the best vase of new seedlings not less than 25 varieties, never before exhibited.

No. 9. E. H. Cushman. \$5 for the best vase of 25 spikes of one white variety.

No. 10. A. T. Boddington. \$5 for the best vase of any named yellow variety.

No. 11. John Lewis Childs. \$10 for the best collection of Childs' varieties; 3 spikes each.

No. 12. The Gardener's Chronicle. Challenge Cup for the exhibit containing the largest number of standard named varieties, correctly labeled.

No. 13. Stump & Walter Co. \$10 for the best collection of 15 varieties; 3 spikes each.

No. 14. B. Hammond Tracy. Silver and Glass Vase for the best table decorated with Gladioli, the table to be laid for 6 covers.

No. 15. N. L. Crawford. \$5 for the best center-piece for dining-table.

No. 16. Frank Banning. \$10 for the best vase of Gladiolus "Niagara," 3 or more spikes.

No. 17. H. H. Groff. \$10 for the best exhibit of Gladioli in white and light; dark; blue; and yellow hybrids, not more than 3 spikes of each variety and not less than one vase of each color section.

No. 18. Rowehl & Granz. \$12 for 100 spikes Gladiolus "Augusta;" \$8, 2nd; \$5, 3rd.

No. 19. A. E. Kunderd. \$10 and 100 bulbs Gladiolus Kunderdi "Glory" for the best display of above variety.

No. 20. A. E. Kunderd. 100 bulbs of Kunderdi "Glory" for the best vase of 20 spikes of above variety; 50 bulbs for 2nd best vase.

No. 21. Kelway & Son. Silver Medal. Best collection named varieties, Kelway's large flowered strain.

Amateur Class.

No. 1. W. E. Kirchhoff Co. Gold Medal for the best display of Gladiolus "Princeline."

No. 2. Montague Chamberlain. Silver Cup for the best 6 named varieties, 1 spike each.

No. 3. John Lewis Childs. \$5 for the best vase of Gladiolus "America," not less than 12 spikes.

No. 4. A. T. Boddington. \$5 for the best collection of yellow named varieties exhibited by an amateur.

No. 5. J. M. Thorburn & Co. Silver Cup for the best collection of Primulinus type and hybrids.

No. 6. L. Merton Gage. \$5 for the best 6 varieties of blue Gladiolus exhibited in one vase.

No. 7. A. E. Kunderd. 100 bulbs Gladiolus Kunderdi "Glory" for the best vase of 6 spikes of above variety; 50 bulbs of Kunderdi "Glory" for 2nd best vase.

No. 8. Arthur Cowee. \$5 for the best exhibit of 10 spikes each of a yellow variety, and a blue variety.

No. 9. Arthur Cowee. \$5 for the best exhibit of 10 spikes each of a red variety, white variety and a pink variety.

The following rules will be strictly adhered to.

No. 1. All entries must be made to the

Recording Secretary not later than three days before the first day of the exhibition, on blanks provided by the Secretary for the purpose.

No. 2. Exhibits in competition for prizes must be of the exhibitor's raising.

No. 3. Exhibits must be in place by 12 M. each day on which exhibits are to be judged.

No. 4. Exhibitors are required to keep their flowers in fresh condition during the time the exhibition remains open.

No. 5. Exhibitors will be awarded but one premium in each class in which they compete and then only where the exhibits on their merit warrant the judges in making awards.

No. 6. While the Society will take reasonable care of the property of exhibitors, yet it will not in any way be responsible for the loss or damage of anything exhibited.

No. 7. Exhibits after being staged cannot be removed until the exhibit is closed, without the consent of the Exhibition Committee.

No. 8. The Society requests exhibitors to attach labels to exhibits. Correct naming of varieties is very important.

No. 9. Exhibitors will be required to provide tables and everything else necessary for table decorations.

No. 10. In entering, every exhibitor agrees to be governed by the rules.

The Society will provide space and vases for Amateurs and Private Gardeners. Professional growers and dealers will be required to provide their own space and vases. When it is desired that exhibits be staged by the Society, notice should be sent as early as possible to the Corresponding Secretary. Exhibits by express should be addressed to American Gladiolus Society, Fifth Regiment Armory, Baltimore, Md., express charges prepaid.

MASSACHUSETTS HORTICULTURAL SOCIETY.

The annual sweet pea exhibition on Saturday and Sunday, July 15-16, in Horticultural Hall, Boston, was not as large as in previous years owing to the great heat and the unprecedented drouth of the last few weeks, which have shriveled up and seriously affected the growth of all flowers. J. O. Christensen, gardener for the estate of W. J. Clemson of Taunton, had a fine display of sweet peas, two tables being filled. This display won ten first prizes. Frederick Mason with a less extensive display won two firsts, one second and one third.

The sensation of the show was the contribution of new lilies from China by R. and J. Farquhar & Co. These were all collected by E. H. Wilson and included were a number now flowered for the first time in cultivation, some as yet unnamed. Of one of these, a most beautiful new species which Mr. Wilson has named Farquhari, we shall have more to say in our next issue. The lovely *L. myriophyllum* was represented by an extensive display of cut blooms, with a background of Japan iris, hemerocallis and other summer flowers and received the honor of a silver medal. Messrs. Farquhar were also awarded a certificate of merit for everlasting pea White Pearl.

A splendid group of Japan irises was shown by Dr. Harris Kennedy.

The fruit and vegetable displays were very fine, Wilfrid Wheeler, William Whitman, W. J. Clemson, Geo. V. Fletcher, W. G. Kendall, Fred'k Mason, Oliver Ames, Warren Heustis & Son and T. J. Grey Co., being the leading prize winners. The last named showed Grey's Perfection cucumber in fine form.

AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

The Thirteenth Annual Convention of this Association will be held at Kansas City, Mo., August 8, 9 and 10. Convention headquarters will be at the Baltimore Hotel. W. H. Dunn, Superintendent of Parks, Kansas City, is looking after local preparations. The program is as follows:

Tuesday, August 8. 9.00 A. M.—Meeting of Executive Committee.

10.00 A. M.—Annual business meeting. Address of welcome, His Honor the Mayor, Dennis A. Brown, and Hon. D. J. Hafl, President Board of Park Commissioners. Response, William J. Zartmann, President American Association of Park Superintendents. Balloting for members. President's address, William J. Zartmann. Reports of officers and committees. Unfinished and new business.

2.00 P. M.—"Uniform Park Accounts and Reports and the National Census Bureau," Dr. Ernest C. Meyer. "Street Trees," J. J. Levison, Forester City Parks, Brooklyn, N. Y. "Architecture of Animal Buildings," Dr. Frank Baker, Superintendent Zoological Park, Washington, D. C.

6.30 P. M.—Entertained by the Commercial Club at dinner. Address, "Parks are to Cities what Lungs are to Men," Hon. Henry D. Ashley, Park Commissioner, Kansas City, Mo.

8.00 P. M.—Automobile ride through parks and boulevards, spending balance of the evening in Electric Park.

Wednesday, August 9. 9.30 A. M.—"Road Construction and Maintenance." It is hoped to have with us for this discussion representatives of the New York State Highway Department, the Massachusetts State Highway Commission, and the Highway Department of the Borough of Bronx. "Insects," Herman W. Merkel.

12.00 M.—Automobile trip to Kansas City, Kans.

1.00 P. M.—Luncheon in Budd Park.

2.00 P. M.—Automobile fifty-mile boulevard trip.

5.00 P. M.—Visit to Swope Park.

6.30 P. M.—Dinner at the Refectory in Swope Park, as guests of the Board of Park Commissioners.

Thursday, August 10. 10.00 A. M.—Trolley trip to Soldiers' Home, Kansas, Penitentiary, Leavenworth, Fort Leavenworth.

1.00 P. M.—Entertained at luncheon by the Leavenworth city officials.

The Secretary's address is F. L. Mulford, Office of Horticulturist, Dept. of Agriculture, Washington, D. C.

ST. LOUIS FLORIST CLUB.

The monthly meeting, July 13, 1911, was well attended. After all the routine work had been finished the trustees reported on the coming picnic and that all arrangements were completed. The bulletin committee reported that the first year was completed and that the Bulletin had been a success and recommended it be continued. The secretary read a telegram from Secretary Pyfer of the Chicago Florists' Club, asking the delegates to the S. A. F. meeting to Baltimore to travel via B. & O. R. R. and meet their special at Cincinnati. This was turned over to the transportation committee. The chair then announced the nomination of officers. Robert J. Windler was nominated for president and C. E. DeWever for vice-president. For secretary, J. J. Beneke and for treasurer, W. C. Smith. For a three-year term trustee J. F. Ammann and F. A. Weber, and for a one-year trustee W. C. Young and C. C. Sanders. Election of officers will take place August 10th.

PITTSBURGH FLORISTS' AND GARDENERS' CLUB.

The regular monthly meeting of this club was held on July 11th. It did not develop that the club would be very largely represented at Baltimore. On the certificate plan, the cost for the round trip will be \$13.05. The use of mileage would make the cost slightly cheaper, and there might be an opportunity to take advantage of the Atlantic City excursion rates.

Those desiring further information should call at the Pittsburgh Cut Flower Co., 121 7th street, and if it should later prove that the attendance would warrant, a car could easily be procured.

On the question of a club picnic President Jones appointed E. C. Reine-man, J. Hutchinson, J. W. Ludwig, T. P. Langhans and W. Q. Potter a committee with power to act.

The Elliott Nursery Co., Springdale, showed a good collection of hardy herbaceous flowers; Neil McCallum showed promiscuous garden flowers; Phipps Conservatories, Schenley Park, sweet peas; Phipps' Conservatories, North Side, fancy caladiums, a very beautiful and striking exhibit for which the judges, Messrs. P. S. Randolph and Jas. Hutchinson awarded to the foreman, James Moore, a cultural certificate.

There will be no August meeting. Subject for September meeting: *Gladifolus*; seasonable flowers; fruits and vegetables.

H. P. JOSLIN, Sec'y.

WESTCHESTER AND FAIRFIELD HORTICULTURAL SOCIETY.

The regular meeting of this society Friday evening, July 14th at Stamford, Conn., was well attended, 75 members present. We now have 150 members. The executive committee reported arrangements completed for the first annual outing and games at Bonnie Brae Inn, New Rochelle, July 26. Contests and games start at 10.30 A. M. Dinner served on the lawn at 2 P. M. The committee have arranged everything possible to make the affair most enjoyable for all. Contests and games (prizes for all events) music and colored quartette and Bonnie Brae famous dinner. Tickets \$2.00.

The exhibits at the meeting were of very fine quality. Honorable mention was given to James Stuart for *Achimenes coelestinum*, George Woundy for *Dendrobium nobile*, A. Peterson for sweet peas, P. W. Popp for *Lilium auratum* and sweet peas, Chas. Adcock for *Ponderosa* tomato. Alex Geddes was highly commended for new muskmelon *Heytesbury King* and Adam Patterson for sweet peas. Vote of thanks to A. S. Peterson for *Hydrangea arborescens grandiflora alba*. Exhibitors gave short talks and answered questions regarding their exhibits. This is one of the most interesting features of this society's meetings.

J. B. McARDLE, Secretary.

Edwin Lonsdale sends the following note and query:—"The National Educational Association is now holding its convention in San Francisco some 15,000 strong. Why not the Society of American Florists and Ornamental Horticulturists here in 1915?"

NASSAU COUNTY HORTICULTURAL SOCIETY.

The regular monthly meeting of this Society was held Wednesday evening, July 12. It was decided to hold the Dahlia Show in Pembroke Hall, Sept. 26, and the Executive Committee were requested to draw up a schedule. The annual outing will be held on August 10. Mr. F. Adams gave a very interesting talk on Humus Leaf Mold which is being produced by Francis & Camerden of Quogue, L. I.

Three first prizes for sweet peas were awarded to J. McDonald. G. Barton won the special prize offered by J. Ingram for 12 varieties of sweet peas. H. Gaut received honorable mention for sweet peas and F. Petrocchia for cucumbers.

The exhibit for August will be 12 mixed asters, 6 Japanese lilies, 12 gladioli. Mr. J. Ingram offers a prize for 4 vases of asters, white, pink, blue and rose.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

Department of Registration.

As no objections have been filed, public notice is hereby given that the registration of the rose, "*Wilhelmina*," by Hoerber Bros., of Chicago, Ill., becomes complete.

H. B. DORNER,
Secretary.

COST OF PLANTING AND CARING FOR ORCHARDS.

It will be of interest to the people of this vicinity who are thinking of establishing orchards in the near future to know the cost of starting and caring for young orchards. One of the purposes of the Demonstration Orchards established by the Massachusetts Agricultural College is to collect data on the cost of the various operations connected with orcharding. Eight orchards have been planted thus far and while the cost of planting varies in different places owing to the types of soil and labor conditions, the data available covers nearly every condition found in the state excepting where land has to be cleared.

The cost of preparing five acres of land and planting the trees thereon varies from \$40 to \$59.75. This variation is easily explained. In the first instance the land has been in plowed crops the year previous, the men to do the planting were more accustomed to that kind of work and the owner was more continuously in direct charge. Most of the orchards were established for less than \$52. The orchard on which \$59.75 was expended for preparing the land and planting, was established on land that had been in sod for some time and was sufficiently stony to make the digging of holes a difficult task. Then, too, the land was prepared and trees planted with hired help, at a cost of 50c per hour for man and team and 17½ to 20c per hour for man. In all cases the cost of labor was figured at prevailing prices. As in all orchard operation the cost depends largely upon the speed at which men work and when the owner is present who is also a good manager of men, the cost can be greatly reduced. In one case where representatives of

the college were present, with a crew of five, four of whom were inexperienced four acres of an orchard were staked out in perfect lines in all directions and 130 trees planted in less than eight hours.

Basing the estimate upon the results obtained in the Demonstration Orchards, it is possible for anyone to establish orchards with hired help in almost any part of the state at a cost not greatly exceeding \$12, per acre for small areas and proportionately less as the area increases. Where extensive orchards are being planted it is possible to reduce the cost of preparation and planting to 6c per tree when planted 20 feet apart.

Another interesting bit of information that has been obtained from the Demonstration Orchards is the cost of the operations incident to the first year's growth, and the possible returns from associated crops planted. The data from three orchards shows the cost of caring for trees and the associated crops to vary from \$75 to \$156 and the value of the associated crops was sufficient to so cover the expenses that the net cost of establishing and caring for the orchard one year, which includes preparation of the land, planting the trees, and a reasonable fertilizer bill, was under \$4 per acre. In the other orchard, one acre of strawberries had been planted the year before and with the other associated crops yielded a net profit of \$25 per acre.

Without a doubt an orchard started in Massachusetts and given proper care can be made to pay for itself and yield something in the way of interest on the investment even before the orchard comes into bearing.

PUBLICATIONS RECEIVED.

A CENTURY OF BULB GROWING.—A memorial of the "Bloemhof" nurseries centenary (1811-1911). By Ernst H. Krelage. (Head of the firm of E. H. Krelage & Son of Haarlem).

This publication is, unfortunately for most of our readers, printed in Dutch. It is a filial tribute by the author to the work of his ancestors, who took so large a part in the upbuilding of the bulb industry in Holland. The business of which he writes has come down from father to son until the present day and has been developed to one of great extent and prosperity.

The first chapter in the book deals with the Haarlem bulb industry in the first years of the 19th century; chapter second recounts the starting of the business and its development till the founder's death. The third covers the period from 1855 to 1901, during which the business was under the management of the late Jacob Heinrich Krelage, a man of great learning and philanthropic usefulness. The last chapter is devoted to the interim from 1901 up to the present time.

The Cleveland Flower Exposition Company, Cleveland, O., was incorporated recently, capital stock, \$15,000. This company was organized for the purpose of holding the Cleveland Fall Flower Show, Nov. 13 to 18, and the following. The company consists of the eleven members of the board of control who are acting for the Cleveland Florists' Club and The Flower Club.

During Recess

Chicago Sports.

The success of the Chicago Carnation Co.'s base ball team is still a matter of pride with them, and they have added to their record by defeating the Minooka team six to five on July 16th.

The Chicago Bowling Club still has a faithful, though small following, and made the following scores July 10th:

J. Huer, 152 216 189	J. Zeck, 159 135 183
W. Wolf, 174 149 155	G. Vogel, 113 138 167
B. Luer, 185 155 118	A. Huer, 164 144 192
A. Zeck, 158 105 171	E. Schultz, 161 155 147

All arrangements are completed for the Chicago Florists' Club annual picnic. A feature of the day will be the ball game between the wholesalers and the retailers. The line up is as follows:

WHOLESALE.—1b. Lormer; ss. Matchin; 3b. A. Zeck; lf. Graff; 2b. Goerrish; rf. Winterson; cf. Farley; c. Keefe; p. Mathes.

RETAILER.—1b. Kral; ss. Christianson; 3b. Ebling; lf. Endees; 2b. Ollinger; rf. Krentz; cf. Schonten; c. Schumacher; p. Wolf.

The usual races will take place for girls and boys under 6, 12 and 16 years, respectively.

The young ladies will be called upon to show their ability to run 60 yards, while the married ladies will run half that distance. The fat men, weighing over 210 pounds, without whom the picnic would not be really a picnic, will run for the amusement of the company, and a "free for all" in a 150 yard dash will complete the races. Suitable prizes will be awarded to the winners.

Washington Florists' Outing.

That the annual outing of the Florists' Club of Washington was a great success was the verdict given by all who took the trip to the park at Huntsville, Md., July 12. All kinds of games and guessing contests enlivened the day and the dinner which was served greatly added to the general good feeling.

Many of the stores closed early in the afternoon to allow the clerks and others to participate in the festivities. Four special cars of the W. B. & A. R. R. were provided to carry them to their destination. The visitors from Baltimore went direct to the park from their city and were greeted by the local members at Huntsville.

The leading feature of the day was the baseball game. The store people were pitted against the market people and but for the catcher, who had a way of allowing the hot ones to slip by him, the store people would doubtless have won. As it was the market people won by a score of 4 to 3. The store people, who performed prodigies of valor, were as follows: George Shaeffer, s. s.; Frank Ecker, 3b.; Albert Booth, c.; George Cooke, c. f.; William Smith, 2b.; Walter Hawley, r. f.; Charles Scarborough, p.; Geo. Daldish, l. f.; Frank Smith, 1b. It certainly was a hot game. The winners, who as already stated, really ought to have lost (ask any of the store people about this), got glory enough without having their names printed. They were fortunate in having as a scorer Milton Thomas, of Thomas & Sly. I. Rosnosky, salesman for Michell, Philadelphia, acted as umpire during a portion of the game. There were potato races, girls' races,

boys' races, young ladies' races, fat men's races, and other things, including lots of refreshments.

The committee in charge of the excursion consisted of Messrs. Otto Bauer, John Robertson, Jr., W. H. Kimmell, Edward Schmidt and W. A. Bolinger. Between 200 and 300 persons attended.

The Dreer Picnic.

The annual picnic of the Henry A. Dreer store employees to the firm's grounds at Riverview took place on the 15th inst.; some fifty or sixty ladies and gentlemen taking the trip and every one said they had had the day of their lives. J. Otto Thilow of the firm was only told of the matter at noon, Saturday, but he managed to have a special car at 1.15 just the same. A straw ride and a baseball game, "Seeds vs. Plants," were features—with plenty of refreshments on the side. The baseball item resulted in favor of the "Plants," showing conclusively that they were of the stronger growth.

Victorious Michells.

Count that day lost
Whose low descending sun
Sees not the Michell nine
But Craig's men on the run.

That day lost, was the 15th. The Michells were on hand at the Michell Farm, Andalusia, but the Craig boys did not put in an appearance. The explanation: short one pitcher. A practice game was played with the Andalusia town team and a pleasant afternoon put in notwithstanding the disappointment, the score standing 13 to 0 in favor of the Michells.

	1	2	3	4	5	6	7	8	9	R	H	E
Michell	5	2	3	0	3	0	0	0	1	18	1	
Andalusia	0	0	0	0	0	0	0	0	0	2	3	

Umpire: V. A. Cowgill, Salem, Ohio.

Next Saturday, July 17th, the Michell team plays William Henry Maule at Ridley Park, Pa. This promises to be the hardest game of the season, and will practically decide who will be champion of the Seed League.



RHODODENDRONS AND AZALEAS

At P. A. B. Widener's, gardener Wm. Kleinheinz, Ogontz, Pa.

New York Bowlers.

The Astorias will have a club at Baltimore and some of their heavy weights came over last Friday to give the New Yorks some pointers. But New York has improved some and will be heard from at the convention. The scores:

D'n'd's'n, 173 191 179	Cook, 134 129 143
Ch'dw'k, 189 190 201	Kakuda, 156 153 153
Meisem, 181 194 186	Scott, 146 139 144
Manda, 167 177 175	

The annual outing of the Gardeners' and Florists' Club of Providence, was held on Wednesday, July 19. A sail down the river, where refreshments and dinner were served, was enjoyed.

The Omaha Florist Club will hold their fourteenth annual picnic on July 27th, afternoon and evening, at the Courtland Beach where a large attendance is expected and a good time for all is promised. All the flower stores are expected to be closed that afternoon in order to give everybody a chance to attend the picnic.

LEWIS HENDERSON, Sec'y.

CHICAGO NOTES. "Innocents Abroad."

H. Philpott and A. T. Pyfer, president and secretary respectively of the Chicago Florists' Club, left Chicago, July 8th, for a friendly call at Cincinnati and elsewhere. They gave a very enthusiastic report of the cordial way in which they were received everywhere. During their stay at Cincinnati they were the guests especially of C. Critchell, president of the Cincinnati Florists' Club, Wm. Murphy, Mr. Fordner, J. A. Peterson and R. Witterstaetter. Mr. and Mrs. J. A. Peterson entertained them at dinner Tuesday, although they were busy with preparations for leaving for Europe on Friday.

Kentucky hospitality was exemplified by Geo. Schulz, son of Jacob Schulz, Louisville's leading florist. An electric sign for this store at-

HYDRANGEAS

FOR SUMMER FLOWERING

We have an unusually fine lot of Hydrangeas, which have been held dormant all winter. These plants are now in bud and bloom, and will flower in fine shape during July and August. We have a fine lot of blue hydrangeas, as well as pink. Plants are in splendid shape for immediate use, and will flower during July and August— at a time of the year when they are in the greatest demand.

We can furnish these plants in ordinary butter tubs at \$2.00 and \$3.00 each.

Plants in new cedar tubs, painted green, with handles, as follows: Well budded plants in 14-inch tubs, \$3.00 each; 16-inch tubs, \$4.00 and \$5.00 each.

FERNS

We have an exceptionally fine lot of Boston Ferns of the Harrisii type; also a splendid lot of Pierson Ferns. Good, bushy, well-grown plants in 8-inch pots, that will please the most critical buyer, \$1.00 each.

LILIUM HARRISII

THE BERMUDA EASTER LILY

We offer a selected and carefully grown stock of the original pure Harrisii. There are only one or two lots of bulbs on the island as good as the stock that we offer. We take pleasure in offering this stock, because it will be found to be very superior to the average stock that is generally offered. This is one of the healthiest and cleanest lots, and will give much better satisfaction than the stock usually obtainable. Our customers who had Harrisii from us last year stated it was the best they had received in years.

We have only a limited stock, which we are offering, and when stock is exhausted, we shall have no more to offer this season.

Fine selected bulbs, 6-7 inch, 350 to the case, \$16.00 per case, or full thousand lots at \$45.00 per 1,000; 7-9 inch, 200 to the case, \$17.00 per case, or full thousand lots at \$80.00 per 1,000; 9-11 inch, 100 to the case, \$18.00 per case, or full thousand lots at \$175.00 per 1,000.

F. R. PIERSON COMPANY, Tarrytown-on-Hudson,
NEW YORK

tracted especial attention. An American Beauty rose bursts into bloom by degrees making an impressive advertisement. Louisville is reported as strong for the S. A. F. Convention in 1912, and it is expected to send enough florists to Baltimore to fill a special car which will join the Chicago Special at Cincinnati. Enough more will join at Cincinnati and vicinity to fill another, so the "President's Special" will be one of the grandest trains to the convention at Baltimore.

Mr. Mathews welcomed the visitors to Dayton, O. He lets no one forget that he is in the florists' business, for he advertises continually, and in unique ways, generally on something that can be carried home, such as fans, cups, etc. Geo. Bartholomew of the Miami Floral Co. was seen, and is off for Europe before this.

Gladioli.

So important a factor in the Chicago summer flower supply has the gladioli become that along with improved varieties growers are seeking better methods of cultivation. C. H. Ketcham of South Haven, who is sending probably the finest stock into this market, is now cutting an almost pure white Rieve de l'Anjou, sometimes called White America. It has a large perfect flower, borne on a four foot stem, and stands shipping perfectly. Last week Mr. Ketcham had a sprinkling system installed that will reach his 25,000 plants and put an end to the dangers of the summer drouth.

Among the Retailers.

C. A. Samuelson, 2134 Michigan avenue, will begin next week the erection of a conservatory on the roof of his present store. This will give him a fine place for plants and materially add to his present equipment.

At the E. Weinhoeber Co.'s store

the employees are taking their annual trips. Mr. and Mrs. D. O. Robertson are in Canada, and will visit several eastern cities before returning. W. W. Adams the order clerk is having a three weeks cruise of the Great Lakes. When they return Mr. and Mrs. Frank Pasternick will visit relatives in Cincinnati.

Della Bonson, who is in charge of the office at A. J. Mangel's has just returned from a week's outing. A feature of the redecorating of this store, now in progress, is the placing of 13 Grecian columns for ornamental purposes through the store. They are pure white, twelve inches in diameter. They will afford means for decorating the store for special occasions, and are very ornamental when left plain.

H. A. Fisher of Kalamazoo, Mich., is here looking after stock and visiting his brother, Geo. Fisher, who is buyer for the H. A. Fisher Co., of Kalamazoo and Battle Creek, Mich. On Sept. 1st this firm will move into its new retail store in the New Burdick Hotel, where they will have more room and better facilities for handling their trade, and will have one of the most elegant establishments in the state.

The Alpha Floral Co. has particularly attractive windows this summer. They extend a long distance both sides of the corner and are two stories in effect. A preponderance of palm and ferns set off to good advantage the comparatively few colored blooms now to be had, and from the platform of the elevated trains the view into the windows is very pleasing. John J. Burke, head salesman, will spend two weeks at his former home in St. Louis, Mo.

Personal.

C. N. Dickinson and family are at

their summer home at Pelican Lake, Wis.

Mrs. Frank Ben contemplates taking a trip east in August.

Henry Van Gelder, manager of the Percy Jones commission house, is ill.

C. L. Washburn and family left this week for an automobile trip to the historic Starved Rock and vicinity.

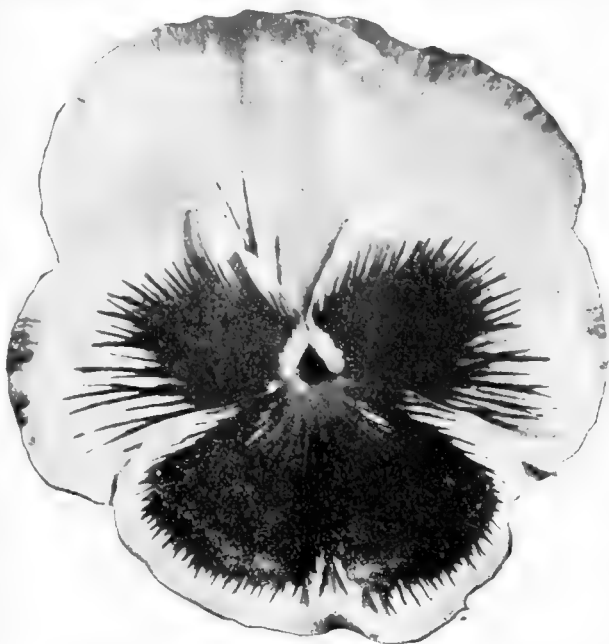
Mr. and Mrs. C. H. Fisk leave about Aug. 1st for California and from there will go north into British Columbia, spending six weeks in travel.

Among the week's visitors are Adolph Reiss of Shelbyville, Ill.; Carl Meier, Green Bay, Wis.; Ralph Latham and Mr. Carlson, Minneapolis, Minn., and A. C. Reicher, Michigan City, Ind.

Miss Frances Brundage, formerly secretary of the E. H. Hunt Co., is back from her trip in the southwest greatly improved in health. She will assist the office force during C. N. Dickinson's absence but will not take any permanent position at present.

A. Lange and family are at Colorado Springs. Of the clerks who are taking their outings are Harry Peterson, who is in Canada, Arthur Lawson, who will go to Waukegan, Ill., Lilian Yetteberg, in Sawyer, Mich. Wm. Wolf will wait till the convention and take his with the florists at Baltimore.

W. F. Vlk, 5041 Ashland avenue, who left with his little daughter for an extended trip to the Pacific coast on the 6th of July received a telegram upon his arrival in Portland, Ore., announcing the serious illness of his wife with blood poisoning. A rose thorn had pierced her thumb and the whole arm was infected. Mrs. Vlk reached home on the 15th. Mrs. Vlk is somewhat improved and hopes are entertained for her recovery.



PANSY—Boddington's "CHALLENGE"—All Colors

This mixture contains all the finest Giant strains—of the leading Pansy Specialists in the world—the Giant self-colors, the Giant striped and margined, and the Giant blotched, etc., all carefully mixed in proportion—the finest that money can buy—the finest your money can buy. A florist who has grown it said, "Why don't you call it Defiance?"

Trade pkt., 50c; $\frac{1}{8}$ -oz., 75c; $\frac{1}{4}$ -oz., \$1.50; $\frac{1}{2}$ -oz., \$2.75; oz., \$5.0

PANSY SEED TIME

Choice Varieties of Giant Pansies

	Trade pkt.	$\frac{1}{4}$ oz.	Oz.
Giant Trimardeau. Improved mammoth-flowering in good range of color.....	\$0.15	\$0.50	\$1.50
Giant Masterpiece (Frilled Pansy). Petals beautifully waved, exquisite colors.....	.15	.85	3.00
Cassier's Giant. A fine strain of large highly colored flowers.....	.15	.85	3.00
Giant Bugnot's Stained. Exhibition. Extra choice flowers, large and plenty of light colors.....	.50		
Giant Madame Ferret. A recent introduction, by a celebrated French specialist; of strong, free growth. Especially rich in red shades.....	.15	.85	3.00
Giant Fire King. Brilliant reddish yellow, with large brown eyes.....	\$0.25	\$1.00	\$3.00
Giant Lord Beaconsfield. Deep purple violet, top petals light blue.....	.15	.50	1.50
Giant Canary Bird. A five-spotted yellow variety. Ground color, is a deep golden yellow and each petal is marked with a dark blotch.....	.15	.85	3.00
Giant Orchideeflora, or Orchid-flowered Pansy. Splendid variety. Beautiful shades of pink, lilac, orange, rose, terra cotta, chamoise, etc.....	.25	1.25	4.00
Giant Emperor William. Ultramarine blue, purple eye.....	.10	.50	1.50
Giant Golden Queen. Bright yellow, no eye.....	.15	.80	2.00
Giant Golden Yellow. Yellow, brown eye.....	.25	.75	2.50
Giant King of the Blacks (Faust). Black.....	.15	.80	2.00
Giant President McKinley. Golden yellow, large dark blotch.....	.15	.85	3.00
Giant Prince Bismarck. Yellowish bronze, dark eye.....	.25	.75	2.50
Giant Rosy Lilac.....	.15	.60	2.00
Giant Pretiosa. Crimson-rose, white margin, violet blotch.....	.15	.60	2.00
Giant White. Violet spot, the largest white.....	.10	.50	1.50

ARTHUR T. BODDINGTON, Seedsman, 342 West 14th St., NEW YORK

Seed Trade

Clover Seeding Lost.

The following communication has been issued under date of July 18, from the office of the Secretary of Agriculture at Washington:

The clover and grass seed grown this spring in wheat, rye and other grain, has been parched up and killed, either wholly or in part on thousands of fields in the central western and northern states. This is a serious situation and calls for prompt attention. If the clover is not replanted, it means no clover hay next season and the planting of some substitute crop for hay next spring at considerably increased expense will probably be necessary. Not only that, but the failure of the clover crop means the loss of the green manuring crop in the rotation and a disarrangement of the whole farm plan of crop rotation. The situation should be met at once. Every piece of new seeding should be examined and, if it has been burned up, steps taken to replant it at once.

One of the best ways known, to get a stand of clover is to disk the stubble field as soon as the grain is off, allowing the disk to run about three inches deep and working the stubble into the soil. The disking and cross disking should be sufficient to clean it of weeds and grass and put the top three inches of soil in fine tilth. Keep the ground cultivated until the first soaking rain, then sow about ten pounds of clover seed mixed with 6 to 8 pounds of timothy per acre and harrow the seed in. A still better way than harrowing, is to sow the grass seed with a grain drill, letting the seed run down the grain tubes from the grass seed box and covering the seed from 1 to 1½ inches deep.

By sowing clover and grass seed alone in this manner, without a nurse crop, it makes much more rapid and vigorous growth than when sown with grain. By disking the land also, a much better seed bed is made than could be obtained by

plowing, since when ground is plowed in dry weather it breaks up lumpy and lies up loose and is very difficult to work down into a compact seed bed such as is essential for the best results with clover and grass seed. In addition, the grain stubble worked into the top soil by disking seems to form a top mulch especially beneficial to clover.

This method of seeding clover is becoming quite general in some of the middle eastern states where farmers over large sections are giving up the practice of spring seeding with grain because of frequent failure to catch and seedling alone after the grain is cut instead. By this method clover and grass seed may be sown in the central and western states as late as September 15, and still make a good stand that will not winter kill, but in the extreme northern states the seeding should not be made later than August 15.

To summarize, grass seedings in spring grain have been burned out on thousands of farms. Replant now by disking the stubble about three inches deep and sowing clover and grass seed alone without a nurse crop by August 15.

Notes.

Robert Nicholson, president of the Texas Seed and Floral Co., Dallas, Texas, for 25 years, has severed his connection with that firm and established himself in the wholesale seed business at 401-403 Commerce street, Dallas.

Clarke & Keller, of Shawnee, Okla., report the demand for seed since the recent rainfall which brought the drought to an end as the largest ever experienced in their business. The sale of corn for replanting is especially heavy.

The Texas Seed and Floral Company of Dallas has filed a complaint with the interstate commerce commission

Freeseias

FIRST SIZE:
75c., 100; \$6.50, 1000

WM. ELLIOTT & SONS,
42 Vesey St., New York

POT-GROWN STRAWBERRY PLANTS

All the best standard varieties
and novelties.

Send for circular to

WILFRID WHEELER
CONCORD - MASS.

against the Texas & Pacific and the Santa Fe and connecting lines asking reparation in the sum of \$940.13 on a shipment of incubators from New York to Dallas.

BOBBINK & ATKINS

WORLD'S CHOICEST FLORIST AND NURSERY PRODUCTS.

We are growing in our greenhouses and in our 250 acre nursery a large variety of material constantly in demand by florists. Our Illustrated General Catalogue describes all the stock we grow. We shall gladly mail it to any florist upon application.

B. & A. SPECIALTIES.

PALMS, BAY TREES, BOXWOOD AND HARDY HERBACEOUS PLANTS, EVERGREENS, ROSES, RHODODENDRONS, VINES AND CLIMBERS, AUTUMN BULBS AND ROOTS, CONIFERS, PINES.

Florists are always welcome visitors to our nurseries. We are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

Nurserymen and Florists

Rutherford, N. J.

CLEAN UP— ON ROSE STOCK

1000 **American Beauty** plants, 4 in. at \$10.00 per hundred.

500 each **Brides, Maids, Richmond, Chatenay, Ivory, Queen Beatrice, Bon Silene, Pink Killarney and Golden Gate**, 4 in. at \$8.00 per hundred.

GRAFTED STOCK

200 each **Chatenay, Ivory, Golden Gate and Uncle John**, \$15.00 per hundred, 3 in. stock.

Chas. H. Totty, Madison, N. J.

American Grown Roses

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens.

Write for Trade List. **W. & T. SMITH CO.** Geneva, N. Y.

HARDY NORTHERN GROWN NURSERY STOCK

WE GROW EVERYTHING FOR PLANTING THE HOME GROUNDS
A GENERAL ASSORTMENT OF

Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc., Etc.

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JAPANESE LILIES
LILY OF THE VALLEY PIPS
PALMS, AZALEAS, &c.

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Write for quotations

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Best Hardy Rhododendrons,
Azaleas, Conifers, Clematis,
H. P. Roses, Shrubs, and Herba-
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Tree Renovation by Expert Operators.
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Box Trees

and other **EVERGREENS** for Tubs and Boxes

Our Prices are Always Right—Catalog Free

THE NEW ENGLAND NURSERIES, Inc.
BEDFORD, MASS.

☞ Selling cheap bulbs is a little like putting up a wet paint sign—many people put their hand on the paint to see if it really is wet. Of course nine times out of ten it is wet, and nine times out of ten florists who buy cheap bulbs find they are everything the word cheap implies. Now a few good Cold Storage Giganteum or Magnificum planted now will net you a good profit in the fall when they will flower. Giganteum planted August 1st will flower for Thanksgiving and September 1st for Christmas; times when you really need them. You must order them now, however, and get them planted. Horseshoe Brand Cold Storage bulbs are superior owing to their keeping qualities and because they are thoroughly matured. Prices very reasonable—upon application. Write us.



Not How Cheap
But How Good

Ralph M. Ward & Co.

12 West Broadway
NEW YORK CITY

Bamboo Canes, Cold Storage Giganteum, Formosas, Magnificum and Auratum ready for delivery now or later.

Seed Trade

Earl Talks on Crop Prospects.

An Interview by Our Philadelphia Correspondent with Howard M. Earl, Manager for W. Atlee Burpee & Co., July 19, 1911.

Some weeks ago we announced in these columns that we had hopes of being able to give our readers a few hints as to crops and the outlook gleaned from the impressions of that experienced observer, Howard M. Earl, during his recent comprehensive crop inspection tour from the Atlantic to the Pacific and back. These hopes have been realized. Mr. Earl very kindly granted your correspondent some precious minutes, and we give herewith a few of his frank expressions on the situation and outlook—as he saw them:

Among the first questions asked:—"Mr. Earl, if it is permissible to ask such a delicate and important question of the world's leading wholesale sweet-pea growers, would you be willing to say without reserve how the sweet pea crop looked to you early in June during your visit to California?"

"Certainly! A paper of HORTICULTURE'S standing in the reliability and conservatism of its seed trade news—not to speak of its enterprise and leadership in that connection—is entitled to information relating to California crops. To state the matter clearly I may put your question under its proper divisions:

"One. On the whole sweet pea crops in California early in June were late—owing to rains coming at an abnormal time."

"Two. Sweet peas will probably average fifty to seventy-five per cent of a crop. The shortage is especially pronounced in the true "Spencer" class. These are as usual, casting their blooms without setting seed."

"What about the other crops you examined?" was asked.

"Onions look well, and there should be a fair average crop—ample for all demands. The only exceptions I would note are:—Yellow Globe Danvers, and Southport Yellow Globe. On these two varieties, I believe, many growers are already heavily oversold—judging from present indications on their acreage. I think white varieties will also be under an average crop; but I have a suspicion that many seed firms have contracted with the growers more than they can use in their trade, and therefore think there will be plenty of white to go around."

"Is there any truth in the report that the parsnip crop will be short?" "Yes," said Mr. Earl, "I think that report is well founded. Many growers lost their roots entirely, and I found that many growers who had not lost all their roots were already heavily oversold. Some of the latter had been east taking orders from the seedsmen while the damage was happening. So they are not to be blamed for having 'bitten off more than they could chew.' Yes, there is no doubt of it—parsnips will be very short."

"How are the carrots coming along?"

"These are in the same boat as the

parsnips. They will be a very short crop. The roots were partially or entirely lost. Of all the carrot crops I saw on my trip, not one looked promising or in anyway up to the mark."

Your correspondent at this point was getting rather blue and pessimistic. He asked his cheerful "image-breaker" if he didn't have a few optimistic items to mix in. All lean and no fat is a pretty poor cow—on the table.

"Oh; don't get alarmed, there are lots of things that are all right. Take salsify for instance. That looked very nice—very promising—and I am sure will be a full crop. Then there is radish. I think, all things considered, radish also will be a good crop. With some growers there are fields that are a bit 'spotty'; but taking character of the season into consideration, there is no doubt in my mind as to the outcome when the harvest comes around. As for parsley, everything looks rosy for a good yield. But I do not look for any surplus as there has been a big shortage in Europe, and our dear cousins across the water are eager to take all our surplus at good figures. There should be a fair crop of celery and leeks are looking very promising."

"Very good, Mr. Earl, that is encouraging; but there is a very important California crop you have not mentioned yet. What about lettuce?"

"Yes, of course, I had that in mind when you interrupted me with your 'fat and lean' foolishness. As everybody knows, there is a very large area devoted to this in California, to supply the regular American trade. Last year, however, in addition to this, there were several important French seed firms who on account of unfavorable conditions in France decided to risk a crop on the Pacific Coast. So the area this year is much larger than usual. I cannot give a very glowing account of the outlook. I think the crop will only be about fair to middling. At the time of my visit the outlook did not seem to be nearly so promising as it was at the same time in 1910."

"They grow spinach and tomatoes out there?"

"Yes, to a limited extent. Spinach looked fairly well. Tomatoes had only just been set out, so little could be predicted about them."

"What about beans? We look a whole lot now—adays to the Pacific Coast for Limas and such."

"Sure enough! Especially in Southern California—in such places as Ventura, Santa Paula, and other towns that go to make up what they call the bean district. Of course, I was too early to form a definite opinion, as beans were but just beginning to make their growth. But judging from the excellent stands which I saw, I should say that there are good prospects for Limas, and other varieties that do well in that climate. Other sorts, planted farther north, also looked promising. A curious feature of the situation, is the exaggerated notion a farmer has as to what a seedsmen should pay him for Limas for seed, when the demand for dried beans for food, is good! But it is no fonder than the same notion of the Eastern brother when Navy beans are in good demand. Both think the price

of seed beans should go up accordingly—independent of any conditions, for or against, in the seed trade."

"We guess that about exhausts the supply of interrogation points for the present, Mr. Earl, and we thank you very much for your interesting talk both for the readers of HORTICULTURE and for ourselves. But just one final one.—We suppose California has now about reached its limit in regard to seed production and we will now have to look further afield for our increasing needs?"

"By no means. Very few realize the possibilities of California as a seed-producing locality. As time goes on, we are going to find that the possibilities there are almost without limit and that many, many more varieties—varieties that are now grown in Europe and elsewhere can be grown to far better advantage in California. There is nothing more positive to my mind than the truth of Peter Henderson's dictum 'California will yet be the seed garden of the world.'"

We think our readers will be pleased with the foregoing condensed epitome of a three-weeks' trip among the growing seed crops of the west by a gentleman who is a keen observer and an able and experienced seedsman. It is hard to get a seedsman to talk, and your correspondent is rather conceited over having at last been able to get one of the big ones to "open up." We shall persevere, now that the ice is broken, and may get some more by and by.

GEORGE C. WATSON.

We understand that the fierce fires which have been raging in Michigan are located directly in the pea-growing section. The subject is so serious a one that we hesitate to quote from one of our jocose correspondents who suggests that we may find next year a new variety of pea pushed by some enterprising seedsman under the name of "Baked" or "Roasted."

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LETTUCE, Grand Rapids, Big Boston, Boston Market and Tennis Ball, \$1.00 per 1000; 10,000 and over, @85c. per 1000.
BEEF, Crosby, Egyptian and Eclipse, \$1.25 per 1000.

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Trade Packet 50 cts.

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R. & J. FARQUHAR & CO.
Boston, Mass.

Established 1820

Thorburn's Seeds

Asparagus Plumosus Nanus

New Crop Just Received

We offer while unsold as follows:

1,000 seeds	\$2.50.
5,000 seeds and up @	\$2.25 per 1000
10,000 seeds and up @	2.00 per 1000
20,000 seeds and up @	1.75 per 1000

Cold Storage Lily of the Valley Pips

HIGHEST GRADE

Cases of 1000 pips @	\$13.00 per case
Cases of 3000 pips @	35.00 per case

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Stocks, Asters, Chinese Primulas, etc.

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Lettuce, Onion, Sweet Peas,

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Of Interest to Retail Florists

Kirkville, Mo.—The flower store of
A. P. Howells, 206 Franklin street,
has been purchased by H. J. Allen.

Philadelphia, Pa.—The florist store
of Arthur McIver, 8th street, has been
closed.

Detroit, Mich.—R. O. Koehler has
given up his store at 623 Gratiot ave-
nue and is succeeded by A. C.
Schmidt.

Racine, Wis.—The property occu-
pied by the Racine Floral Co., 219
Sixth street, has been purchased by
the D. G. Janes Co.

Denver, Colo.—The partnership of
Cooper & Berry, 833 15th street, has
been dissolved. George H. Cooper
will continue the old store, while
Harry J. Berry expects to open a
store at 613 15th street.

STEAMER DEPARTURES

Anchor.

Cameronia, N. Y.-Glasgow...July 29

Atlantic Transport.

Minnewaska, N. Y.-London...July 29

Cunard.

Franconia, Boston-Liverpool...July 25

Campania, N. Y.-Liverpool...July 26

Caronia, N. Y.-Liverpool...July 29

HAMBURG-AMERICAN.

Pres. Lincoln, N. Y.-Hamb'g...July 29

Holland.

Noordam, N. Y.-Rotterdam...Aug. 1

North German Lloyd.

Kronp'n Cecile, N. Y.-Br'm'n...July 25

P. Fr. Wilhelm, N. Y.-Br'm'n...July 27

Fr. der Grosse, N. Y.-Medit'n...July 29

Kr'p'z Wilhelm, N. Y.-Br'm'n...Aug. 1

Red Star.

Kroonland, N. Y.-Antwerp...July 29

White Star.

Arabic, N. Y.-Liverpool...July 29

Zeeland, Boston-Liverpool...Aug. 1

DETROIT NOTES.

Mrs. J. F. Sullivan is now rapidly
improving.

Mr. Tony Smith, who left the em-
ploy of John Breitmeyer's Sons green-
houses has bought out the flower store
of O. R. Kohler.

The ranks of workers in local stores
are well thinned' out. Vacation trips
are in order everywhere. Albert
Stahelin is erecting a new range of
greenhouses.

Harry Breitmeyer has formally an-
nounced his engagement to Miss M.
Baudet, a very prominent local society
belle, and the date of the wedding has
been set for Oct. 10, '11.

Wm. Heilscher has at last become
a benedict. He did it very quietly and
cute but his many friends will be
awake when he returns.

F. DANZER.

NEW FLOWER STORES.

South Boston, Mass.—Robert V. O'-
Connor, 501 East Broadway.

Detroit, Mich.—A new store on
Broadway will soon be erected by B.
Schroeter.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any
part of the United States, Canada, and
all principal cities of Europe. Orders
transferred or intrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill

Cable Address, ALEXCONNELL

NEW YORK

Orders for Steamer, Theatre, Hotel, or
Residence Carefully Filled.

Wm. H. LONG

412 Columbus Ave.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspond-
ents in all the large cities of Europe and the British
Colonies. Telegraph and Cable address, Dardapier

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points,
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N.Y.

MATTHEWS ^{The} FLORIST

DAYTON, OHIO.

Is elegantly equipped to take care prop-
erly of all orders for flowers entrusted
to him night or day.

For Dayton, Ohio and Vicinity

"THE HOME OF FLOWERS"

The largest cut flower store in America.
Orders for the TWIN CITIES and for all
Northwestern points given prompt at-
tention.

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

BOSTON'S BEST

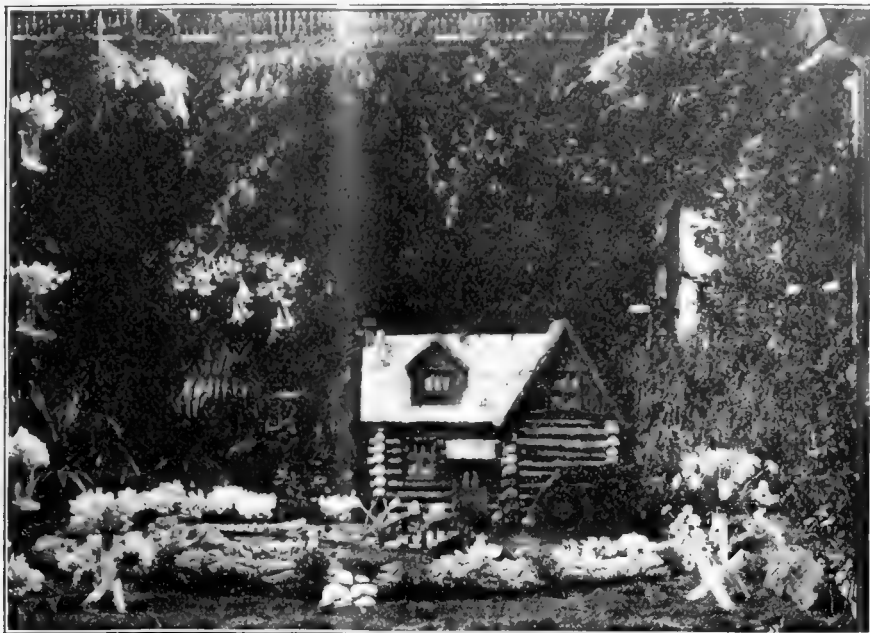
In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN
194 Boylston Street, Boston

LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

A PASTORAL WINDOW SCENE.



The accompanying illustration shows how W. J. Palmer & Sons, the leading florists of Buffalo, N. Y., made their show window a beautiful and refreshing picture during the hot days of early July. There was an old mill with stream and water wheel and mill pond bordered with trees, in which pond lilies floated and gold fish darted. On the bark rim turtles sunned themselves and on a rustic bridge sat a brownie fishing. Cool and delightful it looked to the public as

they passed along in the broiling heat and they stood two and three deep gazing into the refreshing scene and apparently experiencing a sense of comfort, as on a hot night in the theatre, when a wintry scene is put on the stage the ladies' fans all over the house become motionless.

The question of appropriate window adornment in the dull summer season is a poser sometimes but there can be no better test of its efficacy than to see a crowd of admirers constantly around it.

ST. LOUIS NOTES.

C. Young & Sons Co. held a meeting of stockholders and election of officers last week.

B. Eschner of M. Rice & Co., Philadelphia, is here this week calling on the trade and will be a guest of the trade at the Florists' picnic.

F. M. Widener of Highland, Ills., has bought the establishment of Ammann & Johanson at East St. Louis, Ill., and Mr. Widener will take charge July 15.

Each of the wholesalers has given \$5 for prizes to be given at the Florists' picnic this week Thursday. The Belleville florists, too, have offered a good prize.

Ludwig Zimmer, who has a floral store at Biddle Market left last week for a two months' trip to Germany to visit his folks in Hamburg. His store is closed for the summer.

James Arado of Young's has returned from his vacation fishing out west. Will Young will spend his vacation at Atlantic City, N. J., and Miss Kling chief clerk at the greenhouses left this week for a two weeks' trip to Colorado Springs.

INCORPORATED.

Los Angeles, Calif.—Ingleside Floral Co., capital stock \$20,000. Directors, H. D. Ross, A. W. Ross and F. Edward Gray.

Trenton, N. J.—Goeller Bros., florists, capital stock \$10,000. Incorporators, Joseph M., Nicholas J. and Martin J. Goeller.

PHILADELPHIA NOTES.

Messrs. Bunyard, Ebel, Maynard and others of the Gardeners' Association, held a meeting here on Monday. By-laws were the principal subject under discussion. David Rust, William Kleinheinz and John H. Dodds were appointed a committee to consider and report.

Fred Gear, retail florist of Cincinnati, was a recent visitor on his way to Atlantic City. He was the guest of the Pennock-Meehan Co., and later of M. Rice & Co. He says all cities look alike to him, but such personalities as Samuel S. Pennock, M. Rice and E. J. Fancourt, makes Philadelphia stand out to the eyes of Cincinnati. The writer sent cordial messages to Albert McCullough, J. Chas. and Dan, and hopes they are selling lots of Timothy.

On the evening of the same day (17th) a meeting of the joint committee on Fall Exhibition was held. Neither Messrs. Stroud, Rust nor any members of the trade were present, so it would look as if no interest is being taken by the trade, although as we understand it, the reason for the committee's existence is to get the trade to take some interest. But the P. H. S. deliberately shook the trade interests for the private gardeners' twenty years ago, and now that that policy has proven to have been a mistake, it is too late to undo it.

THE Florists' Supply House of America

H. BAYERSDORFER & CO.
1129 Arch St., Philadelphia, Pa.

Hatcher

Estab. 1877

LEADING FLORIST

Amsterdam, N. Y.

Schenectady, N. Y.

NEW ENGLAND
FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points to

THOS. F. GALVIN
124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall
Schools. TALBY, Wellesley, Mass.
Tel. Wellesley 44-1 and 2. Night 44-3

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by
Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Amsterdam, N. Y.—Hatcher.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edw. MacMulkin, 194 Boylston St.
Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's 304 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Dayton, O.—Matthews, The Florist.
Denver, Col.—Park Floral Co., 1643 B'way.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Kansas City, Mo.—Samuel Murray, 912 Grand Ave.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 611 5th Ave.
New York—W. H. Long, 412 Columbus Av.
New York—Young & Nugent, 42 W. 28th.
New York—Dards, N. E. cor. 44th St. and Madison Ave.
St. Paul, Minn.—Holm & Olson.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.
Washington, D. C.—Gude Bros., 1214 F St.
Wellesley, Mass.—Talby.

FIRE RECORD.

Morton Grove, Ill.—Fire totally destroyed the boiler shed and barn of N. C. Moore Co., florists, recently.

Philadelphia, Pa.—The store of William Smith, florist, 2552 North Front street, was destroyed by fire recently; loss \$2,800.

Providence, R. I.—Vose the Florist is the new name for the Highland Greenhouses, Cumberland Hill, formerly conducted under the name of Vose & Son.

EASTER LILIES

Of exceptional good quality every day, \$1.50 per doz., \$10.00 per 100.

VALLEY, in splendid quality, \$3-\$4 per 100.

DAGGER FERNS—BRONZE GALAX
\$1.50 per 1000. Special price by the case.

Open from 7 A.M. to 6 P.M.

The Leo Niessen Co.

1200 Arch Street, - PHILADELPHIA, PA.

**To Cut Flower Growers and
Retail Florists**

IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

THE BEST LETTERS

FOR
FLORIST'S
USE

R

THOSE
MADE
BY THE

Boston Florist Letter Co

66 PEARL ST., BOSTON

N. F. McCarthy, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock.

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO

MANUFACTURERS

PHILADELPHIA, PA.

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

George B. Hart

WHOLESALE

FLORIST

24 Stone St., Rochester, N.Y.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention to shipping orders. Jobbers of Florists' Supplies, Seeds and Bulbs. Price list on application.

Phone Main 54. 216 Walnut St., Cincinnati, O.

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	BOSTON July 20	CHICAGO July 18	ST. LOUIS July 18	PHILA. July 18
Ave. Beauty, Fancy and Special..	15.00 to 25.00	..... to 25.00	20.00 to 25.00	25.00 to 30.00
" Extra.....	12.00 to 15.00	20.00 to 25.00	10.00 to 15.00	20.00 to 25.00
" No. 1.....	8.00 to 10.00	10.00 to 20.00	6.00 to 8.00	15.00 to 20.00
" Lower grades.....	2.00 to 4.00	5.00 to 8.00	3.00 to 5.00	3.00 to 10.00
Richmond Chatsenay, Fancy & Spl..	4.00 to 6.00	5.00 to 8.00	6.00 to 8.00	4.00 to 6.00
" Lower grades.....	1.00 to 2.00	2.00 to 4.00	3.00 to 4.00	2.00 to 3.00
Killarney, Maryland, Fan. & Spl..	4.00 to 6.00	5.00 to 8.00	6.00 to 8.00	4.00 to 6.00
" Low grades.....	1.00 to 2.00	2.00 to 4.00	3.00 to 4.00	2.00 to 3.00
Bride, 'Maid,.....	1.00 to 4.00	1.00 to 8.00	4.00 to 6.00	2.00 to 6.00
Kaiserin, Carnot,.....	3.00 to 6.00	6.00 to 8.00	5.00 to 6.00	2.00 to 6.00
CARNATIONS, First Quality..	.75 to 1.00	1.00 to 2.00	2.00 to 3.00	1.50 to 2.00
" Ordinary.....	.50 to .75	..... to	1.00 to 1.50	1.00 to 1.50
MISCELLANEOUS				
Cattleyas.....	40.00 to 50.00	30.00 to 50.00	..... to	40.00 to 50.00
Lilies, Longiflorum.....	8.00 to 10.00	6.00 to 10.00	5.00 to 10.00	10.00 to 12.00
Lily of the Valley.....	2.00 to 3.00	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00
Gladioli.....	3.00 to 5.00	..... to	6.00 to 8.00	2.00 to 6.00
Stocks.....	1.00 to 1.50	..... to .....	..... to .....	..... to
Daisies.....	..... to .50	.40 to .60	.50 to .75	.50 to 1.00
Snapdragons.....	3.00 to 5.00	4.00 to 6.00	.25 to .50	3.00 to 5.00
Sweet Peas.....	.25 to .50	.50 to .75	..... to .....	.25 to .75
Gardenias.....	..... to .....	..... to .....	..... to	8.00 to 12.00
Adiantum.....	1.00 to 1.25	..... to 1.00	1.00 to 1.25	.75 to 1.00
Smilax.....	12.00 to 15.00	15.00 to 20.00	12.50 to 15.00	..... to 15.00
Asparagus Plumosus, strings (100)	..... to 50.00	50.00 to 75.00	35.00 to 50.00	25.00 to 50.00
" " & Sprea. (100 bchs.)	..... to 40.00	25.00 to 40.00	25.00 to 30.00	25.00 to 50.00

J.A. BUDLONG

82-84-86 E. Randolph St., Chicago

**OUR STOCK IS A-1 AND IT IS QUALITY NOT
PRICES THAT TALKS**

HENRY M. ROBINSON & CO.

15 Province St., 9 Chapman Pl.,
BOSTON, MASS.

Everything in Flowers

Complete Stock of Florists' Greens,
Three Floors of Florists' Supplies.

TRY MY PRICES.

J. JANSKY, Tel. Main 3852-1, Boston, Mass.

Manufacturer of Florist Wire Designs,
All kinds of Florist Supplies.

New crop Dagger and Fancy Ferns, \$1.75 per 1000. Green and Bronze Galax, 90c. per 1000; by the case, \$7.50. Boxwood, 50-lb cwt., \$7.50; by the lb., 25c. Laurel Wreaths, 10-inch, \$1.75 per doz.; 12-inch, \$2.25 per doz.; 14-inch, \$3.00 per doz.; 16-inch, \$4.50 per doz. Laurel Trimming, 4 and 5c. per yd

NEWS NOTES.

Melrose, Mass.—A. M. Tuttle Co. have sold their greenhouses on Sargent and Howe streets to Charles Rapp of New York.

Fishkill-on-Hudson, N. Y.—An extensive addition to the present Paint & Slug Shot Works of Benjamin Hammond is being planned.

Iowa Falls, Ia.—Mr. Pollard's interest in the Pollard Floral Co. has been purchased by J. M. Pierce of the Iowa Homestead of Des Moines.

Tewksbury, Mass.—Irving French is moving his business from Whipple street to the property he has just purchased on Castle street. He will build a residence and greenhouses on this new property.

Flower Market Reports.

BOSTON There is a decided scarcity of good flowers here. There is plenty of material, but it is generally of low quality, although it brings prices that are good for the season. Business is considered good. Roses find a fair demand at better prices than last week. Lilies are rather scarce at present and have also advanced in price. There are no good sweet peas, short stems and diminutive flowers being the rule. Asters begin to appear, short stemmed, but of acceptable quality for so early. Lily of the valley market is fluctuating and irregular.

A change took place in **BUFFALO** the market on Thursday of last week when the heavy supply was cut off, and on Saturday a shortage existed, especially in the carnation and rose line. A heavy demand on floral work helped to consume a good portion of material which a week or so previous had no buyers. Lilies were fine, Giganteum, especially Formosa, were had, but not equal with the former. Rubrums were in quantity, and were a good help out. Beauties are in good supply, and shorter grades preferable. No good Richmonds, but some 'Maids and Bride were seen. Gladioli have made their appearance, but not from local growers. The rain on Monday will help along, and in a week's time home grown stock will be had, for which the trade is in waiting. Very few good asters are had, as the time is a little early yet.

CHICAGO There is the usual tendency to think the market a little duller than ever before in midsummer but those who are comparing their books with those of last year find conditions much the same. The record-breaking weather of the spring months and early summer has reduced the supply and consequently raised the prices on any first-class stock higher than customers were accustomed to pay in summer. Some growers are cutting a fairly good supply of medium length Beauties, which are most in demand. Not many real short-stemmed Beauties are to be had. There are plenty of short Killarneys but long ones are scarce. Lilies of several kinds are to be had in abundance. Some very fine callas are in the market this week, and water lilies are here in quantity. Carnations are small but bring a fair price to the grower though hard to handle by the retailer. Gladioli and asters are helping out decidedly. Lily of the valley is good and some sweet peas are again seen since the cool days. The first blooms of the rose Mrs. Aaron Ward, home-grown, are being cut by Bassett & Washburn. Stock of this eastern favorite was bought by several Chicago growers. Just now it is used principally with lily of the valley in corsages, the stems being short and blooms small but the color is perfect.

Asters as well as many other out-of-door flowers must be considered a failure this year. On the other hand sweet peas, carnations, etc., have received a new lease of life and the stringency in these old standbys is re-



A Magnificent Lot of
Field-Grown

CARNATION PLANTS

Stock selected and grown especially for us. We wish to call particular attention to the Mrs. C. W. Ward plants which are in extra fine shape. Our guarantee goes with every Carnation Plant we send out, thus ensuring to you the very best of quality and satisfaction.



	Per 100	Per 1000		Per 100	Per 1000
Mrs. C. W. Ward.....	\$8.00	\$75.00	Beacon	\$7.00	\$60.00
Dorothy Gordon.....	8.00	75.00	Winona	7.00	60.00
Enchantress	7.00	60.00	Winsor	6.00	50.00
Rose Pink Enchantress	7.00	60.00	Alma Ward.....	8.00	
White Enchantress..	8.00	75.00	May Day.....	7.00	60.00
White Perfection....	8.00	75.00	Sangamo	7.00	60.00

S. S. PENNOCK-MEEHAN CO.

THE WHOLESALE PHILADELPHIA
FLORISTS OF

NEW YORK
109 W. 26th Street

PHILADELPHIA
1608-1620 Ludlow Street

WASHINGTON
1212 New York Ave.

WHOLESALE FLOWER MARKETS.—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	CINCINNATI July 11	DETROIT July 18	BUFFALO July 18	PITTSBURG July 18
Am. Beauty, Fan. and Sp.....	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00
Extra	12.00 to 15.00	15.00 to 20.00	10.00 to 12.00	12.00 to 15.00
No. 1.....	8.00 to 10.00	12.00 to 15.00	6.00 to 8.00	6.00 to 10.00
Lower grades.....	2.00 to 4.00	4.00 to 10.00	2.00 to 4.00	3.00 to 4.00
Richmond, Chateaux, Fan. & Spl...	4.00 to 8.00	4.00 to 6.00	4.00 to 6.00	4.00 to 8.00
Lower Grades.....	1.00 to 3.00	3.00 to 4.00	2.00 to 4.00	3.00 to 4.00
Killarney, Maryland, Fan. & Spl...	4.00 to 6.00	4.00 to 6.00	5.00 to 6.00	6.00 to 8.00
Lower Grades.....	1.00 to 3.00	3.00 to 4.00	2.00 to 4.00	3.00 to 4.00
Bride, 'Maid,	2.00 to 4.00	2.00 to 4.00	2.00 to 4.00	3.00 to 4.00
Kaiserin, Carnot,	3.00 to 6.00	3.00 to 6.00	3.00 to 6.00	3.00 to 6.00
CARNATIONS, First Quality	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Ordinary	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
MISCELLANEOUS				
Cattleyas	10.00 to 12.00	10.00 to 12.00	10.00 to 12.00	10.00 to 12.00
Lilies, Longiflorum.....	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Lily of the Valley.....	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Gladioli	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Stocks.....	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Daisies.....	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Snapdragon.....	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Sweet Peas.....	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Gardenias.....	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Adiantum.....	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Smilax	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Asparagus Plumosus, strings (100)	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
" " & Spren. (100 bchs.)	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00

lieved by the improved weather conditions. Business in general has been greatly curtailed by the lack of mer- chantable flowers. Wholesalers are

beginning to concern themselves regarding supply of fancy ferns for next winter. The stock handled at present

(Continued on page 114)

M. C. FORD
Successor to
FORD BROTHERS
121 West 28th Street NEW YORK
FINE ROSES, FANCY CARNATIONS
A Full Line of All CUT FLOWERS.
Telephone, 3870 or 3871 Madison Square

H. E. FROMENT
Wholesale Commission Florist,
Choice Cut Flowers,
37 West 28th St. :: NEW YORK
Telephones: 2200, 2201, Madison Square.

Alfred H. Langjahr
All choice cut-flowers in season. Send
for quotations. Correspondence with
shippers of first-class stock invited.
55 West 28th Street, New York
Telephones 4626 4627 Madison Square

Edward C. Horan
Wholesale Florist
55 WEST 28th ST.
Tel. 1462 Madison Square New York

D. Y. Mellis, Pres. Robert G. Wilson, Treas.
Greater New York
Florists' Association, Inc.
Now Open for Cut Flower Consignments.
162 Livingston Street, BROOKLYN, N. Y.
Geo. W. Crawbuck Telephone Connection
Manager 3642-43 Main

Moore, Hentz & Nash
Wholesale Commission Florists
55 and 57 West 26th Street
Telephone No. 758 Madison Square New York

WM. P. FORD
Wholesale Florist
45 W. 28 Street, NEW YORK
Call and Inspect the Best Establishment
in the Wholesale Flower District

A. MOLTZ & CO.
Wholesale Florists
A. MOLTZ MAURICE L. GLASS
Coogan Building, 55-57 West 26th Street
NEW YORK CITY
Telephone 2921 Madison Square Open from 5 a. m. to 6 p. m.

THE KERVAN COMPANY
Fresh Cut Evergreens, Mosses,
Southern Smilax, Galax and Lonicerae.
Preserved and Fresh Cut
Cypresses and Palmettes.
Tel. 1519 5893 Mad. Sq. 113 W. 28 St., New York

REED & KELLER
122 West 25th St., New York
Florists' Supplies
We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Glassware, Decorative Goods and Florists' Requisites

P. J. SMITH
Successor to JOHN I. RAYNOR
Wholesale Commission Florist SELLING AGENT FOR
A full line of Choice Cut Flower Stock for all purposes. LARGEST GROWERS
by the 100, 1000 or 10,000 The HOME OF THE LILY
TEL. 1998 MADISON SQUARE 49 West 28th St., New York City

Walter F. Sheridan
Wholesale Commission Dealer in
CHOICE CUT FLOWERS
133 West 28th Street, New York
Telephone—3532-3533 Madison Square

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES AND CARNATIONS
JAMES McMANUS, Tel. 769 Mad. Sq. 55 W. 28th St., New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending July 15 1911		First Half of Week beginning July 17 1911	
American Beauty, Fancy and Special.....	8.00	to 20.00	10.00	to 20.00
" " Extra.....	5.00	to 6.00	5.00	to 8.00
" " No. 1.....	4.00	to 5.00	4.00	to 5.00
" " Lower Grades.....	1.00	to 3.00	1.00	to 3.00
Richmond, Chateaux, Extra and Special.....	3.00	to 4.00	2.00	to 4.00
" " Lower Grades.....	.50	to 1.00	.50	to 1.00
Killarney, My Maryland, Extra and Special.....	1.50	to 3.00	2.00	to 3.00
" " Lower Grades.....	.50	to 1.00	.50	to 1.00
Bride, 'Haid.....	.50	to 4.00	.50	to 3.00
Kaiserin, Carnot.....	.50	to 5.00	.50	to 5.00
Carnations, First Quality.....	1.00	to 1.50	1.00	to 1.50
" " Ordinary.....	.25	to .50	.50	to .75

BADGLEY, RIEDEL & MEYER, Inc.
WHOLESALE FLORISTS
34 West 28th Street, New York
Telephones {1664 1665} Madison Square CONSIGNMENTS SOLICITED

SIEBRECHT & SIEBRECHT
Wholesale Florists
Phone 8346 Madison Square CONSIGNMENTS SOLICITED
136 W. 28th St., New York City

Frank H. Traendly Charles Schenck
TRAENDLY & SCHENCK
Wholesale Florists
131 West 28th St., New York
Telephones: 798 and 799 Madison Square
Consignments Solicited

CENTRALLY LOCATED, THE HUB OF THE
FLOWER MARKET SECTION
CHARLES MILLANG
Wholesale Florist
55 & 57 W. 26 St., NEW YORK
Telephone 7042 Madison

Wired Toothpicks
Manufactured by
W. J. COWEE, BERLIN, N. Y.
no., one... \$1.75; 50,000...\$7.50. Sample free
For sale by dealers

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WHOLESALE FLORISTS
Choice Cut Flowers
CONSIGNMENTS SOLICITED
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Prompt Payments. Telephone 3559 Madison Sq

FRANK MILLANG
Wholesale Florist
55-57 West 26th St., NEW YORK
Shipments, any quantity, Whole-
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Public Accountant and Auditor
Simple methods of correct accounting
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Books Balanced and Adjusted
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BOSTON
FLOWERS**

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**MICHIGAN CUT FLOWER
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WILLIAM F. KASTING Co.
[Wholesale] Florists
383-387 ELLICOTT ST. - - BUFFALO, N. Y.

Flower Market Reports

(Continued from page 113)

is exceptionally fine, still prevailing forest fires have seriously damaged what were formerly very productive fern gathering grounds.

Summer conditions, NEW YORK summer quality and summer prices are now in control here. They are not materially different from what they have been in other years except that quality generally runs unprecedentedly poor, owing to the severe climatic experiences of the past month. Outdoor crops are naturally the worst affected and asters, which are now due to make their presence felt are in poor shape thus far although signs of improvement under the better weather conditions now prevailing are seen. Orchids are fine but slackening up in quantity. Carnations have never been worse than now.

Business in the PHILADELPHIA flower trade here last week was fairly satisfactory for the season. There is a smaller volume of stock arriving and of course it is of poorer quality than it was but recently. This is especially true of roses, although many other lines are similarly affected. American Beauty is one of the bright spots in the situation, being about the best value of anything now offered. While roses are not up to the mark—even Kaiserin making but a medium showing. Marylands are the best among the pinks—but the best is nothing to brag about. Carnations also are rather inferior and the supply has shortened up notably. The orchid market goes along on an even keel—with enough cattleyas for all demands. Gardenias have improved considerably. Lily of the valley is excellent and selling well. Of asters there is some very fair stock of Queen of the Market arriving but a large majority are very poor. When the aristocrats, like the Crego and others of that class, begin to come in then there will be something doing in the aster line. Gladioli are finding a ready sale. America, Augusta and Branchleyensis are the principal sorts so far. Centaurea imperialis, the lavender pink one, is a favorite item. Easter lilies have shortened up some, but there seems still enough to go around.

ST. LOUIS The market conditions have been anything but satisfactory to the retailer for some time past. In looking over the four wholesale houses

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending July 15 1911		First Half of Week beginning July 17 1911	
Cattleyas.....	20.00	to 50.00	20.00	to 50.00
Lilies, Longiflorum.....	2.00	to 4.00	2.00	to 4.00
Lily of the Valley.....	1.00	to 2.00	1.00	to 2.00
Gladioli.....	2.00	to 3.00	2.00	to 3.00
Stocks.....	.50	to .75	.50	to .75
Disias.....	.10	to .25	.10	to .25
Scorpiogon.....	1.00	to 3.00	1.00	to 3.00
Asters.....	1.50	to 2.00	1.00	to 2.00
Sweet Peas (per 100 bunches).....	1.00	to 4.00	1.00	to 3.00
Gardenias.....	15.00	to 20.00	15.00	to 20.00
Adiantum.....	.50	to .75	.50	to .75
Smilax.....	5.00	to 8.00	4.00	to 8.00
Asparagus Plumosus, strings.....	10.00	to 35.00	10.00	to 35.00
" " & Spren. (100 bchs).....	10.00	to 20.00	10.00	to 15.00

hardly enough first-class stock can be found to supply half the demand and that is not very large now-a-days. The long, dry and hot spell has a great deal to do with these conditions. Roses and carnations are scarce. Fine gladiolus come in with burned tops. Sweet peas are done for. Tuberose stalks bring \$5 a hundred. Extra good asters sell well at from \$3 to \$5 per 100.

WASHINGTON The drought is held responsible for the poor condition and scarcity of all out-door flowers. Perhaps the most marked effect is seen in carnations, which are in poor condition. Asters are slow in reaching market, and they are also in poor condition. Gladioli are somewhat better but not entirely satisfactory. Phlox is also poor. Roses, on the contrary, are fairly good. Lilies are in fair supply. Gude reports his pet, the Enchanter, to be proving a particularly fine hot weather rose. Stephanotis is doing nicely and is in good demand. Altheas "by the million" are relieving the demand for carnations and are used in great quantities in decorations. Gardenias are coming in more plentiful. The worst is now probably over in the flower shortage.

Max F. Jahn, a florist whose place of business and home is in 1300 State street, met a genial young man last Wednesday who gave the name of George Uhrick and represented himself as a fellow florist in the West. Mr. Jahn extended the hospitality of his home comforts to the young man, who accepted the invitation and stayed over night. When Mr. Jahn went to arouse his guest the following morning he discovered that the young man had gone in the early morning hours. A roll of bills containing \$25 was missing. Mr. Jahn and the police are anxious to meet Mr. Uhrick.—Springfield, Mass., Union.

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The annual picnic and games of this club will take place at Caledonian Grove, West Roxbury, Mass., on Wednesday, July 26. The sporting events will begin at 10 A. M., and will include running races, etc., for boys, girls and adults and fat men, quito match, and baseball, Commercial versus Private Gardeners, for all of which prizes are offered.

NEWS NOTES.

Springfield, Ill.—The Capitol Greenhouses have been leased by Arthur C. Canfield, florist at State street and Grand avenue. George Dinkel will be manager of this branch.

Newell, W. Va.—The Lake Newell Floral Co. greenhouses have been leased by the Chester Greenhouses of Chester, W. Va., and will in the future be known as the Colton Greenhouse Co.

Baltimore, Md.—Vernon Jett, alias Harvey Arnold, will be held in the Baltimore jail until the fall term of court on the charge of using the mails to defraud. Jett, it is alleged, when in need of money, would send bogus orders to C. R. Burr & Co., who conducted a nursery business at Manchester, Conn., and on which the firm would allow him a 25 per cent. commission.

The produce interests of Boston, headed by the Boston Produce Company, have joined in a complaint before the Interstate Commerce Commission today against the Atlantic Coast Line Railroad on account of transfer charges for melons at New York.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

AMPELOPSIS

AMPELOPSIS VEITCHII.

Strong seedlings,
50c per 100; \$4.00 per 1000 prepaid.
P. Pearson, 5732 Gunnison St., Chicago.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries,
Rosindale, Mass.
For page see List of Advertisers.

ASPARAGUS

A. Leuthy & Co., Rosindale, Mass.
Asparagus Plumosus Nanus.
For page see List of Advertisers.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Asparagus Sprengerii, large 4-inch, \$1.50
per doz., \$10.00 per 100. Edw. Doege, 4344
N. Springfield Ave., Chicago, Ill.

Asparagus plumosus nanus seedlings,
\$1.00 per 100; \$8.00 per 1000. Cash or sat-
isfactory references with order.

B. Soltan Fernery,
199 Grant Ave., Jersey City, N. J.

Asparagus Sprengerii, 2½-in. pots, \$1.75
per 100; \$15.00 per 1000. Cash. W.
Livesey, 6 McCabe St., New Bedford, Mass.

ASTER SEED

Elmer D. Smith, Adrian, Mich.
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AZALEAS

P. Ouwerkerk, Hoboken, N. J.
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A. Leuthy & Co., Rosindale, Mass.
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Loechner & Co., New York, N. Y.
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BAY TREES

A. Leuthy & Co., Rosindale, Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Bay Trees and Box Trees, all sizes
Write for special List
Julius Roehrs Co., Rutherford, N. J.

Bay trees, heads 24 in. through, \$12.00 a
pair; heads 28 in. through, \$14.00 a pair;
32 in. heads, \$16.00 a pair; larger plants,
\$18.00, \$25.00 and \$28.00 a pair. Pyramids,
50 in. high from tub, \$10.00 a pair; 75 in.
high, \$18.00 and \$20.00 a pair. A. Schul-
theis, College Point, Queensborough, N. Y.

BEGONIAS

A. Leuthy & Co., Rosindale, Mass.
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Skidelsky & Irwin Co., Philadelphia, Pa.
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Thomas Roland, Nahant, Mass.
Lorraine Begonias.
For page see List of Advertisers.

A. N. Pierson, Inc., Cromwell, Conn.
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Begonia Lorraine 2½-inch pots,
\$12.00 per 100. \$50.00 per 500
Immediate Delivery,
Julius Roehrs Co., Rutherford, N. J.

BOILERS

Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.

BOUVARDIAS

15,000 Bouvardias (single). Good strong
2½ in. pink, white and a few red, \$2.50 per
100; \$22.50 per 1000. Cash please. Morel
Bros., 622 E. Market St., Scranton, Pa.

BOXWOOD

Boxwood for window boxes, \$20.00, \$25.00,
\$30.00, \$40.00, per 100. Pyramids in tubs,
very fine, \$3.00, \$4.00, \$5.00, \$6.00 a pair.
A. Schulteis, College Point, Queens-
borough, N. Y.

BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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A. Leuthy & Co., Rosindale, Mass.
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Julius Roehrs Co., Rutherford, N. J.
Box Trees all sizes. Ask for special list.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St.,
Boston.

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J. M. Thorburn & Co., 33 Barclay St., N. Y.
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A. T. Boddington, 342 W. 14th St., N. Y.
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Richards Bros., 37 East 19th St., New York.
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Henry F. Michell Co., Philadelphia, Pa.
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T. J. Grey & Co., 32 and 33 So. Market St.,
Boston.
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Ralph M. Ward & Co., 12 W. Broadway,
New York.

Horseshoe Brand.
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James Vick's Sons, Rochester, N. Y.
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Loechner & Co., New York, N. Y.
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John Lewis Childs, Flowerfield, L. I.
Spring Bulbs.
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The W. W. Barnard Co., Chicago, Ill.
Import Bulb List.

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Fottler, Fliske, Rawson Co., Boston, Mass.
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E. S. Miller, Wading River, N. Y.
Bulbs and Roots for Fall Planting.
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CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per
1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CHRYSANTHEMUMS

Wood Bros., Fishkill, N. Y.
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Elmer D. Smith, Adrian, Mich.
For page see List of Advertisers.

Herrington's book on the Chrysanthemum mailed to your address for 50c., by
Horticulture Publishing Co., 11 Hamilton
Place, Boston.

Chrysanthemums, rooted cuttings, Mon-
rovia, Polly Rose, \$12.00 per 100. Vinca
Var., 4 in. pots, fine full plants, \$12.00 per
100. Ivy, English, 4 in., \$12.00 per 100.
Chas. Lenker, Freeport, L. I., N. Y.

Chrysanthemum, rooted cuttings, R. Hal-
lday, Amorita, Ivory, Yellow Jones, Min-
nie Bailey, Y. Bonaffon, Rosiere, Polly
Rose, \$10.00 per 1000. Cash please. Hil-
pert & Hammen, 313 Belair Road, Balti-
more, Md.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
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Chicago Carnation Co., Joliet, Ill.
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S. S. Pennock-Meehan Co., Phila., Pa.
Field-Grown Carnation Plants.
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I. M. Rayner, Greenpoint, N. Y.
Field Carnations.
For page see List of Advertisers.

FIELD-GROWN CARNATION PLANTS,

	100	1000
Light Pink Enchantress.....	\$6.00	\$60.00
Rose-Pink Enchantress.....	6.00	60.00
Lawson-Enchantress	6.00	60.00
White Enchantress	7.00	65.00
White Perfection	6.00	60.00
Sangamo	8.00	75.00
Alvina	7.00	65.00
Dorothy Gordon	8.00	75.00
May Day	7.00	65.00
Pink Delight	7.00	65.00
Victoria	6.00	60.00
Georgia	6.00	60.00
Afterglow	6.00	60.00
Winsor	6.00	60.00
Beacon	6.00	60.00
Victory	6.00	60.00
Harlowarden	6.00	55.00
Patten	6.00	60.00
B. Market	6.00	55.00
Queen	6.00	55.00
Lady Bountiful	6.00	60.00

All of the above plants are in fine con-
dition, clean, thrifty and vigorous, guar-
anteed in every way. Stock ready for
shipment July 10. Cash with order.

HOWARD P. KLEINHANS,
66 Centre Square, Easton, Pa.

CINERARIAS

Cinerarias, best strain dwarf, 2½ in., \$2.00
per 100; 300 for \$5.00. J. C. Schmidt, Bris-
tol, Pa.

COBAEAS

500 Cobaea Scandens, 4 in., \$4.00 per 100,
purple. Or will exchange for Boston.
Fischer Bros., 614 Dempster St., Evans-
ton, Ill.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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COLEUS

R. Vincent, Jr. & Sons Co., White Marsh,
Md.
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CROTONS

F. R. Pierson Co., Tarrytown-on-Hudson,
New York.
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CUT FLOWER BOXES

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made.
Write for list. Holton & Hunkel Co., Mil-
waukee, Wis

CYCLAMENS

Cyclamen—Best Varieties in different
colors, 3 inch pots, strong plants, \$10.00
per 100, \$80.00 per 1000. Julius Roehrs
Company, Rutherford, N. J.

DAHLIAS

Herbert, Acto, N. J.
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R. Vincent, Jr. & Sons Co., White Marsh,
Md.
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DAHLIAS—Continued

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

Dahlias, divided roots, from 1 to 3 eyes to the piece. Send for list and get the latest varieties. W. P. LOTHROP, Brockton Dahlia Farm, E. Bridgewater, Mass.

DAHLIAS NEW FOR 1911.

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williamstown Junction, N. J., Post Office, Berlin, N. J.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.
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John Scott, Brooklyn, N. Y.
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DRACAENAS

Dracaena indivisa, 3 feet high and over, 5½ and 6 to 8½ in. pots, in perfect condition, cheap to close out, \$25.00 per 100. A. Schultheis, College Point, Queensborough, N. Y.

EVERGREENS

New England Nurseries, Bedford, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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FERNS

A. Leuthy & Co., Roslindale, Mass.
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H. H. Barrows & Son, Whitman, Mass.
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John Scott, Brooklyn, N. Y.
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Frank Oechslein, 4911 Quincy Street, Chicago.

Ferns for Dishes.

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Robert Craig Co., Philadelphia, Pa.
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F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
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Bostons, extra large, 6-inch, \$6.00 per doz. Edw. Doege, 4344 N. Springfield Ave., Chicago, Ill.

Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Shot Hills, N. J.

FERTILIZERS

20th Century Plant Food Co., Beverly, Mass.
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Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.

Wizard Brand Cattle Manure.

Hardwood ashes, best fertilizer on earth for lawns and gardens. George Stevens, Peterborough, Ont., Canada.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
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FLORISTS' LETTERS

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.
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FLORISTS' SUPPLIES

N. F. McCarthy & Co., 84 Hawley St., Boston.
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H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.
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M. Rice & Co., 1220 Race St., Phila., Pa.
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Reed & Keller, 122 W. 25th St., New York.
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H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

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S. S. Pennock-Meehan, Philadelphia, Pa.
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FLOWER POTS

W. H. Ernest, 28th and M Sts., Washington, D. C.

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A. H. Hews & Co., Cambridge, Mass.
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Hilfinger Bros., Ft. Edward, N. Y.
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Syracuse Pottery Co., Syracuse, N. Y.
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Peters & Reed Pottery Co., Zanesville, O.
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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

FREESIAS

Wm. Elliott & Sons, New York, N. Y.
For page see List of Advertisers.

Fischer's Freesia Purity, pure stock, field-grown. Large bulbs, \$2.25 per 100; \$20.00 per 1000. MISS WELKER, 310 Pacific Avenue, Santa Cruz, California.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

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Kervan Co., New York.

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H. M. Robinson & Co., 15 Province St.
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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.

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Geraniums, our selection, 4 in., \$7.00 per 100; 3 in., \$4.00 per 100; 2 in., \$2.00 per 100; \$18.50 per 1000. More than 100 varieties. Send for geranium catalogue. A. D. Root, Wooster, O.

GLASS

Boston Plate & Window Glass Co., Boston.
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Standard Plate Glass Co., 26-30 Sudbury St., Boston.

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Foley Mfg. Co., Western Ave., between 25th and 26th Sts., Chicago.

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Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.

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Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.

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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.

Peerless Glazing Point.

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GREENHOUSE BUILDING MATERIAL

A. T. Stearns Lumber Co., Neponset, Boston.

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King Construction Co., N. Tonawanda, N. Y.
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J. C. Moninger Co., 117 East Blackhawk St., Chicago, Ill.

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Foley Mfg. Co., Chicago.

Pecky Cypress for Benches.

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S. Jacobs & Sons, 1350-63 Flushing Ave., Brooklyn, N. Y.

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Lord & Burnham Co.,

1133 Broadway, New York.

GREENHOUSE CONSTRUCTION

Foley Mfg. Co., Chicago.

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King Construction Co., N. Tonawanda, N. Y.
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A. T. Stearns Lumber Co., Boston, Mass.
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Hitchings & Co., 1170 Broadway, N. Y.

Lord & Burnham,

1133 Broadway, New York.

Pierson U-Bar Co., Madison Ave., New York
Designer and Builder.

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Wm. H. Lutton, Jersey City, N. J.
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GUTTERS

King Construction Co., N. Tonawanda, N. Y.
King Channel Gutters.

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HAIL INSURANCE

Florists' Hail Asso. of America.
J. G. Esler, Saddle River, N. J.

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HARDY FERNS AND SUPPLIES

H. M. Robinson & Co., Boston, Mass.
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Michigan Cut Flower Exchange,
28 and 40 Broadway, Detroit, Mich.

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The Kervan Co., New York

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J. Jansky, Boston, Mass.

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HEATING APPARATUS

Kroeschell Bros. Co., 466 Erie St., Chicago.
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Lord & Burnham Co.,
1133 Broadway, New York.

HERBACEOUS PLANTS

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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New England Nurseries, Bedford, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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HOSE

H. A. Dreer, Philadelphia, Pa.
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HOT-BED SASH

A. T. Stearns Lumber Co., Neponset, Mass.
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Foley Mfg. Co., Chicago.

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Parshelsky Bros., Brooklyn, N. Y.

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Lord & Burnham Co., 1133 Broadway, N. Y.

HYDRANGEAS

F. R. Pierson Co., Tarrytown-on-Hudson, New York.

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The true blue French Hydrangea from 5½ and 6 in. pots, sky blue, from 8 to 16 branches, \$9.00 per dozen. Best selected plants, \$12.00 per dozen. Cash please. A. Schultheis, College Point, Queensborough, N. Y.

INSECTICIDES

Hammond's Paint and Slug Shot Works.
Fishkill-on-Hudson, N. Y.

Hammond's Slug Shot.

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Eastern Chemical Co., Boston, Mass.
Imp. Soap Spray.

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Nicotide kills all greenhouse pests.
P. R. Palethorpe Co., Owensboro, Ky.

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Stump & Walter Co., New York.

Kilmdead Tobacco Dust.

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Aphine Manufacturing Co., Madison, N. J.
Aphine.

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E. H. Hunt, Chicago, Ill.

To-Bak-Ine Products.

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in writing to Advertisers kindly mention Horticulture

INSECTICIDES—(Continued)

Wilson Plant Oil and Fertilizer Co., New York, N. Y.

Wilson Plant Oil.
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Acme Nicotine Insecticides sold direct to the grower. Acme 45 per cent. Liquid, pint \$1.75; gallon \$12.50. Acme Fumigating Paper, case of 28 sheets \$5.50. Sample can of 24 sheets 60 cents, postpaid. J. P. Beermaker, 9 Washington Ave., St. Louis, Mo.

GYPSY MOTH CREOSOTE.

The original Gypsy Moth Creosote, made especially by us for the Gypsy Moth Commission. Limpid at all temperatures, completely penetrates the nest; kills all eggs. Samuel Cabot, Inc., Mfg. Chemists, Boston, Mass.

JAPANESE LILIES

Loechner & Co., New York, N. Y.
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KENTIAS.

Bobbink & Atkins, Rutherford, N. J.
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A. Leuthy & Co., Roslindale, Mass.
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Kentia Belmoreana from 2½-in. pots, 3 leaves, \$6.00 per 100; \$55.00 per 1000. Cash or satisfactory references with order.

B. Soltau Fernery.
199 Grant Ave., Jersey City, N. J.

LANDSCAPE GARDENING COURSE.

Home Correspondence School, Springfield, Mass., Dept. 8.
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NIKOTEEEN APHIS PUNK

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TREES, SHRUBS, ROSES, EVER-GREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00 by Horticulture Publishing Co., 11 Hamilton Place, Boston.

ONION SETS

Leonard Seed Co., Chicago, Ill.
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For Sale. Winter Onion Top Sets, select stock. A. S. Pett, Crawfordsville, Ind.

ORCHID FLOWERS

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Fresh Imported and Established Orchids.
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Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
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Orchids—largest stock in the country. Store plants and Crotons, finest collection. Julius Roehrs Co., Rutherford, N. J.

Orchid Growers' Manual. By B. S. Williams, 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

Edward V. Low, late of Hugh Low & Co., dissolved, Vale Bridge, Haywards Heath, England. "White" Cattleyas and Choice Cypripediums are leading features.

PALMS

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Holmes Seed Co., Harrisburg, Pa.
High Grade Pansy Seed.

PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

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PEONIES

PEONIES—1200 sorts, an enormous stock List ready. C. Betscher, Canal Dover, O.
Peonies in any quantity. Write for prices on list of your wants. Gilbert H. Wild, Sarcoxie, Mo.

PETUNIAS

Petunias (Dreer's), mixed, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

PHOTOGRAPHS

I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan R. Graves, 414 Hayward Bldg., Rochester, N. Y.

PLANT STAKES

Seele's Telesis Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

E. A. Dreer, Philadelphia, Pa.
"Riverton Special."

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POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

PRIMULAS

Primulas Chinese, fine plants. 2½ in. \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

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Wanted—Rose plants of any kind. Melrose Garden Co., 90 Melrose St., Providence, R. I.

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Pansy Seed.

SPHAGNUM MOSS

- Live Sphagnum moss, orchid peat and
orchid baskets always on hand. Lager &
Hurrell, Summit, N. J.
- Ten bales sphagnum moss, \$7.00. Z. K.
Jewett Co., Sparta, Wis.

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WOOD PRESERVATIVE

- Conservo Wood Preservative doubles the
life of all exposed lumber. Preserves
benches, posts, sills or planking. Costs
3c. a stick, and saves ten times its cost.
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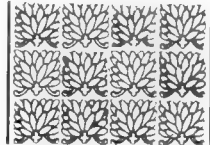
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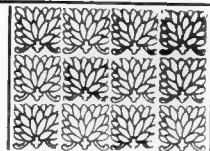
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If you could figure
up how much busi-
ness you do not get
because someone
had forgotten your
address or 'phone
number, or because
someone did not
know you had what
they wanted you
would be surprised
at the amount you
had lost.



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It is the Key to the offers
of Advertisers in each issue.

It will remind you of the
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Advertise Your Stock In Horticulture and Stop This Leak

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Obituary.

Charles Neiglick.

Charles Neiglick, father of Charles T. Neiglick, florist at North State street, Chicago, died on July 6th from heat prostration.

Leonard G. Ward.

Leonard G. Ward, son of George E. Ward, of Beverly, died at his home, 6 Pleasant street, Salem, Mass., July 4th, with heat prostration. For the last few years he had been employed by Southworth Bros., Beverly, formerly having been in partnership with his brother, Harry Ward, at the North Street Greenhouses. He was 32 years of age and leaves a wife and two children.

Marshall Symmes.

Marshall Symmes, market gardener, and oldest resident of Winchester, Mass., died at his home, Symmes Corner, on July 19. He was in his 93d year, having been born Oct. 27, 1818, in that part of Medford later set off as part of Winchester.

Mr. Symmes was a direct descendant of Zachariah Symmes, who came to this country in 1634. He was a blacksmith until an accident at the forge cost him the sight of one eye. He then purchased the Governor Brooks farm at Symmes Corner and was for more than forty years a market gardener.

Daniel W. Coquillett.

In the death of Daniel William Coquillett, the Department of Agriculture has lost the entomologist who invented the hydrocyanic method of purging orchards of insect pests and who discovered the usefulness of the Vedalia beetle as a destroyer of scale. Mr. Coquillett, who died July 8th at Atlantic City, was born January 23rd, 1856, near Woodstock, Ill. In 1881 he was made assistant State entomologist of Illinois. Soon after he went to California, where he became field agent for the division of entomology, United States Department of Agriculture. In 1893 he was appointed assistant entomologist and at that time removed to Washington.

LITTLE BOBBIE.

He Writes About His Pa's Plants.

By William F. Kirk in Boston American

When Pa came home last nite he walked rite oaver to the gee-ra-nium plants, & he began for to talk to them. Oh, you deer, deer littel gee-ra-nums, he said, I wish that you wud become orchids. There is no reason why you shuddent becum orchids, Pa sed to the flowers, no reason in the world, besides, orchids cost moar.

Ma began to look at Pa kind of close, the same old look wich I have seen so often. See here, Lite of my Life, Ma sed to Pa, I want to ask you a questun. How did it lok you to git hoam after you left the office?

Cum strate hoam, Pa sed. Why do you ask?

I ask, sed Ma, beekaus you are too talkativ. You are talking to the flowers, & that is a sure sine that sumthing is roag. It is bad enuff wen you cum hoam this way & talk to me, sed Ma, or to little Bobbie, tho hevings knows, Ma sed, that you over talk yourself then, but wen it gits so bad that you cum hoam & talk to the flowers in the window, I think that sumthing shud be did.

Well, sed Pa, let me explain. I met a friend of mine from Californy this afternoon that is a relative of a man named Prof. Von der Naillen & a grate frend of

Make the Farm Pay



Prof. Brooks

Complete Home Study Courses in Agriculture, Horticulture, Floriculture, Landscape Gardening, Forestry, Poultry Culture and Veterinary Science under Prof. Brooks of the Mass. Agricultural College, Prof. Craig of Cornell University and other eminent teachers. Over one hundred Home Study Courses under able professors in leading colleges.

250 page catalog free. Write to-day

THE HOME CORRESPONDENCE SCHOOL

Dept. H. A. Springfield, Mass.

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Ham-filton Place, Boston.

BUSINESS CHANCES

PARTNER WANTED—An old established seed and implement house wants a live, hustling, young man to buy part interest and help in the active management of the rapidly growing business. The concern stands well in the trade and with proper help and management, can be made one of the largest in the country. All correspondence, confidential. Address Conserv-ative, care HORTICULTURE.

FOR SALE

FOR SALE—Fresh from factory, new 10 x 12, 16 x 18, 16 x 24, double thick, A and B qualities. Market dropped. Now is the time to buy and save money. Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.

FOR SALE—One Furman Heater, seven sections, serial 3957, size 308, good condition. One Furman Heater, six sections, serial 5401, size 307. Needs one new section. Strout's, Biddeford, Me.

MISCELLANEOUS

WANTED to lease near good town a good Market Garden of about five acres, with greenhouse, good dwelling and out-buildings. Where landscape work could be carried on preferred. Reply to B. T., care of HORTICULTURE.

Luther Burbank, the inventor of the spineless cactus & the un-winking potted & the naked banana, etc. This frend told me that the way the grate wizard Mister Burbank made the funny plants he made was to walk around in his garden & talk to the plants. For instans, Pa sed, Mister Burbank will walk out into a garden of thorny cactus & look at them gentel & tender, & say Deer littel thorny plants, you look ugly now; but in time, if you realize that I am yure frend, all them ugly spikes will go off you & you will be smooth all over, like a music publisher. Then, sed Pa, the littel cactus plants wud always look back at Mister Burbank & say. All rite, old chap, we will do the best we can to lose our ruff ways, & in time the plants wud becum butiful and smooth.

Ma was lookig kind of scared, she kept following Pa around & I went with her. Then Pa Calm to the lettuce. Lovely Lettuce, sed Pa, be calm & pashunt. Yu are going to git the rite kind of treatment wile you are in this garden, beekaus I am yure frend & shall always be yure frend. Cheer up littel Lettuce, sed Pa, & git big & prickly, like a alligator pear. Then you will be a combinasun salad, Pa sed & git ate by a college boy & a actress.

Then Pa went oaver to the green peas & he said, Precious Peas, listen to me. I am yure frend. I worship you & shall proteck you. You shall grow & grow & grow until in yure glorius manhood yu shall becum beans, Pa sed, & git baked. Then sed Pa, beware of Boston!

Then Ma sed, "Come on, Burbank," & she helped Pa up & made him go into the house.

GREENHOUSES BUILDING OR CONTEMPLATED.

Wellston, Mo.—Louis Peeters, house 30 x 100.

Wellston, Mo.—Alex. Johnson, two rose houses.

McPherson, Kan.—C. A. Simonson, house 32 x 80.

KalisPELL, Mont.—The Flathead Floral Co., addition.

Geneva, Ind.—Charles E. Fields, range of houses.

Tewksbury, Mass.—Irving French, range of houses.

Fullerton, Md.—E. W. Fiedler & Co., carnation house 24 x 203.

Spokane, Wash.—T. E. Westlake Co., one vegetable house.

Ballston Spa, N. Y.—Henry Bensell, Schafer Estate, addition.

Brooklyn, N. Y.—Brooklyn Institute Museum, range of houses.

Sedalia, Mo.—Archias Floral Co., three houses each 18 x 100.

Scranton, Pa.—T. B. McClintock, three houses each 20 x 100.

Fitchburg, Mass.—C. W. Moeckel, greenhouse and boiler house.

Salem, Mass.—J. R. Hamilton, plant house 26 x 75; a boiler house will also be erected.

Salt Lake City.—A number of Murray citizens, backed by the Murray Commercial Club, are planning to form a company for the purpose of promoting the building of a big hot-house, where it is intended flowers shall be grown to supply the Salt Lake market. J. W. McHenry, president of the Murray Commercial Club, with a number of others interested, have been visiting various proposed sites.

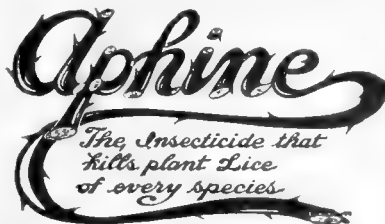
The Foley Manufacturing Co. are now erecting a range of four houses for F. F. Scheel at Schermerville, Ill. They are of the latest Foley construction, having channel iron gutters and flat rafters. This company report an unusually busy season.

Announcement is made that the Wanamaker Mansion at "Lydenhurst," Jenkintown, Pa., which was destroyed by fire some years ago, is to be rebuilt at once. The contract for the stone work amounting to \$38,500 was awarded on the 14th inst. to Joseph Mandes & Bro. Jno. T. Windrim of Philadelphia is the architect. The landscape work is already about completed—the recent year's improvements on the original work having been done under the supervision of the head gardener, Jno. H. Dodds.

PATENTS GRANTED.

- 997,299. Seed and Fertilizer Distributor. Thomas Joel King, Richmond, Va.
997,450. Weed Cutter. Samuel F. Jenkins, Washta, Iowa.
997,454. Sod Cutter. John Lindner, Waconia, Minn.

Augusta, Me.—The appointments made by Commissioner of Agriculture John P. Buckley, have been approved and salaries fixed. Among these are A. K. Gardiner, state horticulturist, \$125 per month, and G. A. Yeaton, assistant horticulturist, \$85 per month.



Destroys green, black and white fly, red spider, thrips, mealy bug, brown and white scale and all soft bodied insects. An excellent cleanser for decorative stock.

Used as a spray you can rely upon it for positive results, without fear of failure or dissatisfaction.

\$2.50 per gallon, \$1.00 per quart.

"FUNGINE"

An infallible remedy for mildew, rust and other fungus diseases. A clean, safe and easily applied spraying material.

Prof. W. F. Massey, associate editor of the Market Growers Journal, replying to an inquirer for a remedy for black spot on roses, writes (July 1st, 1911):—"The Fungine advertised by the Aphine Company is worth trying on this disease. It is promising here as a fungicide."

\$2.00 per gallon, 75c. per quart.

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PRATT'S "SCALECIDE"

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."

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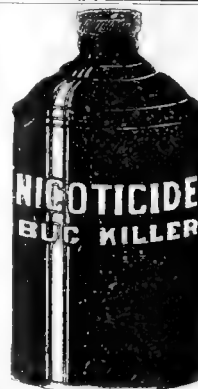
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Horticultural Supplies

Write for our special Catalogue

It is reported that the Atlantic Fertilizer Co., Curtis Bay, Md., intend to build quite a large addition to their plant at that place. According to present plans the new portion will be of brick and stone, with reinforced concrete foundation and slag roof, making the building entirely fireproof. Bids will shortly be asked for on the work. The Atlantic Fertilizer Co. has already completed the structural work on their new steel and concrete pier and are now installing the necessary machinery thereon.

Imp Soap Spray

Clean and odorless. Forms invisible films. Non-corrosive. Usual effective strength, one to thirty-two.

Guaranteed under Food and Drug Act 1910.

Single gallons, \$1.50

In barrels, \$1.00

Eastern Chemical Company

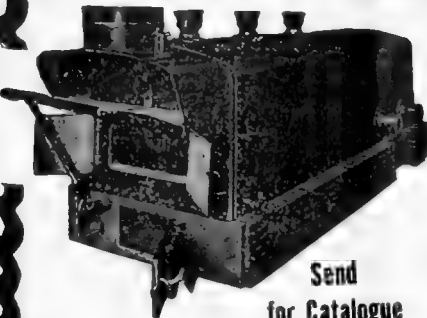
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Cocoanut Fiber Soil

is being sought after by all growers. Cover your lawns this fall and next summer you can have a green one.

20th CENTURY PLANT FOOD CO.,
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"Have 20,000 sq. ft. of glass. Can keep 60 degrees in coldest weather. Had one boiler 15 years, only expense one set of flues. Kroeschell Boiler is so satisfactory that I do not care to try any other."

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P. S.—Mr. Phillips is installing a No. 13 Kroeschell, 1910 Model for his new range.

KROESCHELL BROS. CO., 466 W. Erie St., Chicago, Ill.

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The American Wooden-Ware Mfg. Co.,
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POTS**

If your greenhouses are within 500 miles the Capitol, write us, we can save you money

W. H. ERNEST

20th & M Sts., Washington, D. C.

TO INVESTIGATE FRUIT TRANSPORTATION.

Representative Faison has submitted a resolution in Congress, which has been referred to the committee on Interstate and Foreign Commerce, calling for the cause of delays in handling fruit. The resolution is as follows:

Resolved: That the Interstate Commerce Commission be, and is hereby, directed to make an immediate and complete investigation of the transportation and refrigeration (while in transit) of all fruit and vegetable crops grown and marketed in eastern North Carolina, or elsewhere in the United States, by the Atlantic Coast Line and Pennsylvania Railway Companies, the Southern and Adams Express Companies, the Armour Refrigerator Company, and other railroad or transportation companies and refrigerator companies engaged in transporting such fruit and vegetable crops to the northern markets, especially Washington, District of Columbia; Baltimore, Maryland; New York, Boston, and other markets, for the purpose of ascertaining what is the cause of the constant, continuous, and disastrous delays for the last ten years in the schedules of said companies' fruit and vegetable freight, refrigerator-freight, and express trains in transit to the said markets.

The said Interstate Commerce Commission is hereby empowered to assess damages to said fruit and vegetable crops and products from such delays, and to fix the freight rates and make fast schedules for all future transportation of all such fruit and vegetable crops as may hereafter be necessary to market the same without material injury to the growers of said crops in North Carolina and elsewhere.

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machines in your houses and forget all your ventilating troubles. The children can operate them. Just what you want.

Our new catalogue J thoroughly describes and illustrates our new arm, also the rest of our line. Get one, it will interest you.

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**OUR NEW
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Note the simple construction. One bolt securely fastens it to the shafting pipe. Easy to set up.

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"A little pot is soon hot," likewise a thin pot. This will save you fuel. Our pots are the thinnest and toughest owing to the superior quality of the clay.

New price list on application.

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is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots, order from us.

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We have 1000 ready packed crates that can be shipped same day order is received. Send for price list of seed and bulb-pans, hanging baskets, lawn baskets, cylinders for cut flowers, etc.

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DREER'S

Florist Specialties.
New Brand New Style.
Hose "RIVERTON"

Furnished in lengths up to 500 ft. without seam or joint.

The HOSE for the FLOWBY
1/4-inch, per ft., 15 c.
Reel of 500 ft., " 14 1/2 c.
2 Reels, 1000 ft., " 14 c.
1/2-inch, " 13 c.
Reels, 500 ft., " 12 1/2 c.
Couplings furnished.

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The Bar That
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YOU can talk about the things cold frames will do for you "until the cows come home," but if you want real flowers, real budding plants that you can count on being top notch year in and year out—then a greenhouse is the only thing. The only thing because it is the **sure thing**. With a greenhouse your frames become doubly valuable, as then one helps the other greatly to the advantage of both. With a greenhouse you can control temperatures and conditions and can have what you want when you want it. But don't allow anyone ever to persuade you that any other curved eave house is just as good as the U-Bar. It's not so. We want to show you exactly why. Send for the catalog as a starter.

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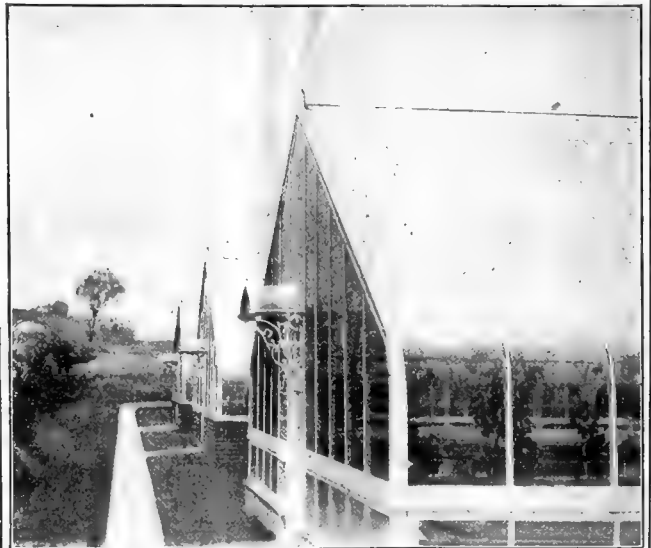
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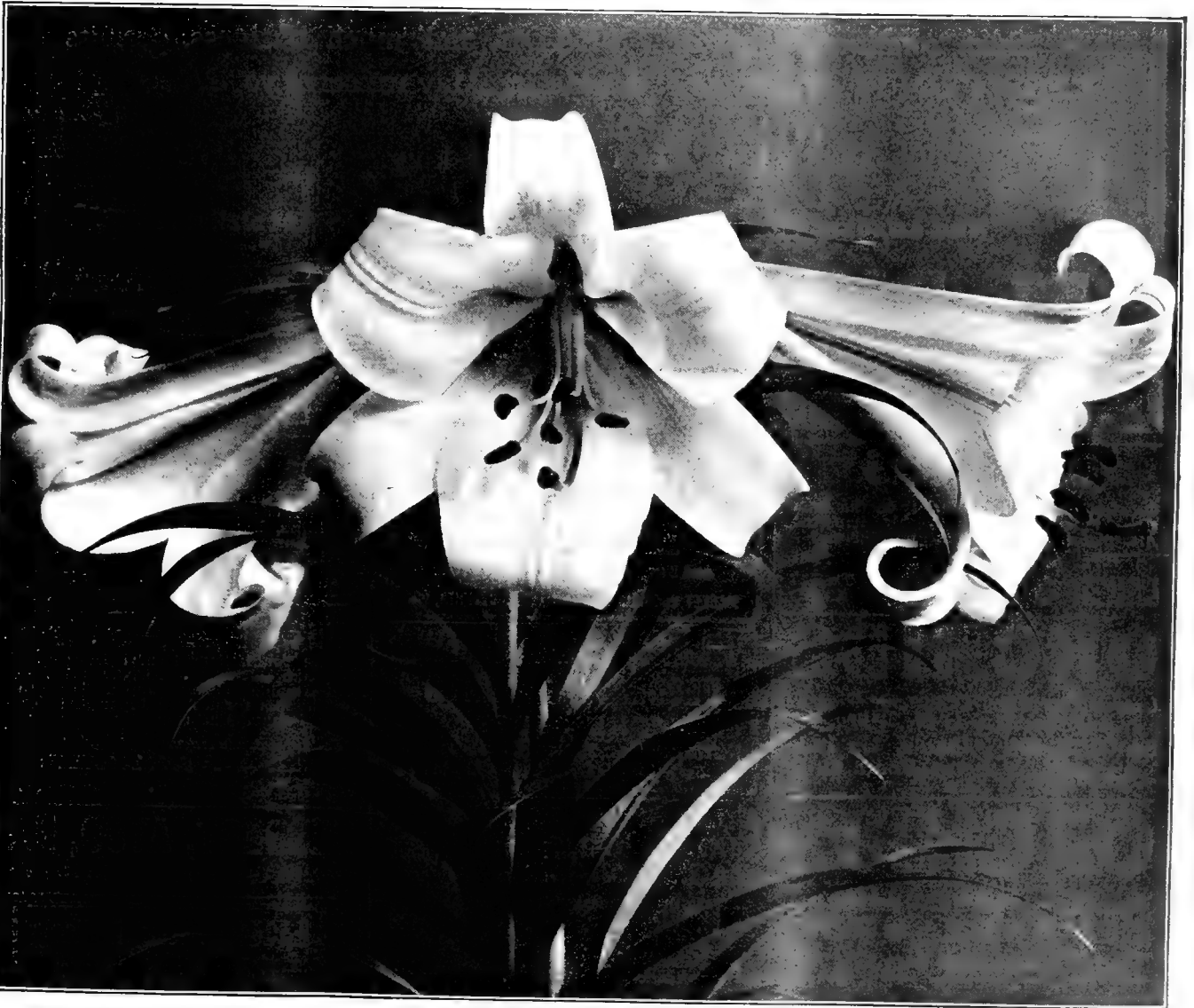
JUST note the construction of the **HOOD** over doorway. **ITS SIMPLICITY** and how **IT HARMONIZES** with the general appearance of the construction. **THAT** is only one of the details. Throughout the entire arrangement the same original mechanical ability is employed. **THEN** again this construction is patented, **UNITED STATES PATENT NO. 902,155**. A **POSITIVE ASSURANCE** of receiving the genuine, successful **CURVED EAVE**. Write for more particulars.

HORTICULTURE

Vol. XIV.

JULY 29, 1911

No. 5



LILIUM FARQUHARI

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FLORIST, PLANTSMAN,
LANDSCAPE GARDENER
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*Published
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Assorted varieties, 2-in. pots, \$3.50 100;
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Lilium tenuifolium, Henryi, Hanson, Wallacei and Davuricum; Elegans vars., Single and Double Tigers; Japan Tree Lilac; Delphinium formosum; Japan and German Iris; Daphne Cneorum.

Fall list ready in August.

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Little ads in our Classified Columns bring big returns to both advertiser and purchaser.

Anything that can be sold to florists, gardeners, park and cemetery superintendents, etc., can be sold through this medium in this department, and at very small cost.

Don't fail to read them each issue, for you will find one or more that will prove profitable to you.

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If you want to know where they are, we have them, at the headquarters, and, borrowing the phrase of a famous advertiser, we have a permanent exhibition at White Marsh, Cowenton, B. & O. R. R. of more than 57 varieties.

We extend you a cordial invitation to visit us during the Convention. Tickets and all information concerning trains, etc., can be procured from our Mr. R. Vincent, Jr., and other representative of our firm. Will be pleased to see you any day. A good time to place your order for next season.

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Golden Dome, Mrs. Clay Frick, The Harlott, Yellow Eaton.

From 2½-inch pots, \$3.00 per 100.

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From 2½-inch pots, 50c. per dozen; \$3.00 per 100; \$25.00 per 1000.

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White Killarney } from 3 in pots . . . \$8.00
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Pink Killarney, Chatenay, Kaiserin, Perles, Sunrise, Sunset, from 3 inch pots . . . \$8.00

Bride, Bridesmaid, Golden Gate, \$65.00 per 1,000, \$7.00

GRAFTED

Fine Stock, 3 inch pots
Pink Killarney, White Killarney, Bride, Bridesmaid, Kaiserin, My Maryland.

\$15.00 per 100

Kaiserin strong, year old, from 5-inch pots, \$3.50 per doz., \$25.00 per 100.

STEVIA COMPACTA

2½ inch pots, \$3.00 per 100, \$25.00 per 1000.

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6 ft. to 8 ft.

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Beacon, \$60.00 per 1000; \$7.00 per 100. Harlowarden, Victory, Winsor and Fair Maid, \$6.00 per 100. These are number one plants ready to bench. Call and see them. Cash with order please.

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Maple St., WAVERLEY, MASS.

They're sticking out all over these pages.

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Bargains in Good Stock.

POT-GROWN STRAWBERRY PLANTS

All the best standard varieties and novelties.

Send for circular to

WILFRID WHEELER
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ASPARAGUS HATCHERI

The new Asparagus. Beats the old plumosus nanus in every respect. From 2½-inch pots, \$15 per 100.

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Also Azaleas, Begonias, Bay and Box Trees

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Perkins Street Nurseries, Roslindale, — Boston, Mass.
Price list on application.

Araucaria Excelsa

5 in., 3 to 4 tiers, 40c. and 50c.; 5½ to 6 in., 4, 5 and 6 tiers, 60c., 75c. and \$1.00; 7 in., 25, 30, 40 and 50 in. high, for lawns and porches, \$1.50 to \$2.00.

Cash with order, please.

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BEGONIAS

Gloire de Lorraine and Lonsdale, \$15.00 per 100, \$140.00 per 1000. Glory of Cincinnati, \$25.00 per 100, \$200.00 per 1000, 250 at 100 rate. Strong, 2½ in., twice transplanted. Absolute satisfaction guaranteed.

Katalog for the asking.

SKIDELSKY & IRWIN CO.
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Vice-president, E. Meuret

Secretary, George C. Weiland
Treasurer, Anton Then

General Manager, Otto W. Frese

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We handle the stock of 60 well known growers who specialize in Beauties, White Killarneys, Pink Killarneys, Richmonds, Brides, 'Maids, Lily of the Valley, Orchids, Asters, Sweet Peas, Violets, Chrysanthemums, and everything else for the florists' trade. In green goods we have Smilax, Asparagus in strings and bunches, Galax Leaves and Fancy Ferns.

SIXTY GROWERS 2,000,000 FEET OF GLASS

These growers have been selected with care as to their size and the quality and variety of the stock they grow. In approximating the amount of glass they control, we believe 2,000,000 feet a modest estimate, so that with this amount of glass we will be second to none in quantity of stock we shall receive. The quality also will be varied, so as to meet the requirements of every florist. There will be a large supply of extra fancy roses; also the grades ranging to short. The growers have been selected so that we will have a large supply of every kind of flowers as they come in season. We have also growers who specialize in Beauties, orchids, valley, roses, carnations and green goods. These, with a large percentage who grow all the miscellaneous stock, **make us one of the largest wholesale cut flower houses in Chicago.**

The second floor of our four-story building will be used for the sale of plants. We have growers who specialize in these and we expect to become a factor along this line. You will hear more on this later.

We will be in readiness August 1 to receive orders, every detail being perfected. On that day we will have a full line to offer, so you need have no hesitancy in wiring or writing for rush or future shipments. **Your orders will have the most prompt and careful attention** and will leave on the first and quickest express.

Charge accounts are solicited and there will be no delay in shipment on that account. C. O. D. shipments will be made only to those who are new, without reference accompanying order.

We solicit your correspondence and will gladly give any and all information requested pertaining to the business. We hope to receive your valued assistance toward making this a success, assuring you it will be wholly advantageous to you.

176 N. Michigan Ave., Between Randolph and Lake Sts., **CHICAGO**

Seasonable Notes on Culture of Florists' Stock

CALANTHES

These orchids are now in active growth and should have a genial moist atmosphere with a common sense supply of water at the roots. On all favorable opportunities give them ventilation without allowing direct or cold drafts to strike them. At this time of the year we are very liable to have a spell of cold and wet weather which causes the temperature to fall below the normal. This is the time you need a little fire heat, just enough to slightly warm the pipes and you will be able to keep a chink of air on all the time, which helps to keep the atmosphere active and sweet. Calanthes are now beginning to fill their pots and pans with roots. A little stimulant in the way of either weak cow or sheep manure can be applied about once a week with benefit, and as the roots get more matted in their pots they can have it twice a week until the flowers commence to expand. Keep a lookout for thrips.

CARE OF VIOLETS

From now on no winter-flowering stock requires more watching and judicious attention than the violets. Go over them every week and remove all decayed or diseased leaves, weeds, etc., for they like absolute cleanliness. Give frequent and shallow cultivation thus insuring a sweet and open soil. It is during August and September that so many promising houses of violets go wrong from the want of proper ventilation and care in watering. In order to have strong sturdy and healthy plants when the short and dark days come give all the air you can day and night until winter sets in. Be always very careful in watering; look over the beds good at first, then you will detect the dry spots which can be watered, thus helping to keep your beds at an even degree of moisture. Give a good syringing early in the morning on all fine days so as to allow the foliage to become dry before night. About the middle of August if your plants are making a fine vigorous growth give them a half or three-quarters of an inch of a mulch of either sifted cow or horse manure that is well decayed, as it feeds the surface roots and prevents the continually drying out of the beds.

BOUGAINVILLEA

Plants that have been growing vigorously and have filled their pots with roots should have a shift. Give them a soil of a more lumpy character. Sod that was cut last fall will be all right for them. A good compost is three parts of soil and one of cow manure. See that they have plenty of drainage as they will need a free supply of water while growing. Keep them under glass and in a position where they will be exposed to full sun. See that they have a daily syringing for the next six weeks. By the last of September begin to keep on the dry side so as to secure a ripened condition of the wood to make them flower freely. It must be remembered that these plants like a comparative rest but at the same time they should never be allowed to get too dry. While resting give them a cool house—say about 50 degrees and keep air on as much as possible.

DOUBLE DAISIES

It will pay any florist living in the suburbs to grow these plants for spring sales. For the ground work in

bulb beds they are very satisfactory, and for making separate beds in partial shade they are also well worthy. They sell well in baskets at Easter. Sow the seed in shallow boxes now or any time before the middle of August. When they are large enough to handle set five inches apart in a cold frame. With the coming of winter give them some protection, and whenever there is any mild weather see that they have plenty of air. Give them the same treatment as pansies and they will succeed all right.

GARDENIAS

Continue watchfulness in all general matters connected with the culture of these plants. Gardenias that were benched early in June will now be advancing very rapidly and at all times they must have every care and encouragement to promote a quick and sturdy growth. Damping down will now be necessary two or three times a day to supply the proper moisture in the atmosphere. Examine the beds each day so there will be neither dry spots nor places showing a saturated condition both of which are very detrimental to this class of plants. Shoots that are making a vigorous growth should be pinched back so as to induce a lateral growth. It should be remembered that while the gardenia delights in a high temperature, great care should be taken to ventilate freely on all suitable occasions so as to secure a gentle circulation of fresh air. Such treatment greatly assists in making good wood for flowering later. Keep the plants free from such insect pests as mealy and red spider by a sharp spray of water forcibly directed on the under side of the leaves and through the plants and if this fails try spraying with an insecticide. You will find several advertised in HORTICULTURE. When the beds begin to get full of roots they will be in condition to stand a light mulch. Give them a dusting of very fine bone first over the surface, and then a light mulch of well rotted cow manure. The best principle to follow in feeding is to give a little at a time, but often.

SCHIZANTHUS

If you want a nice batch of these plants for next winter sow now. See that you obtain the best strain of seed and sow on some fine mixture of equal parts of loam and leaf-mold with a dash of sand through it. Previous to sowing give the pans or flats a good watering and then sow the seed on this and cover very lightly, pressing the soil even all over. Place a pane of glass over the flat or pan and see that the soil does not get parched. When the little seedlings are up a cold frame is an excellent place to summer these plants in. When they are large enough pot off singly into small pots, and shift as they may require until a 6 or 7-inch pot is reached. For the two last shifts use a rich mixture of two-thirds fibrous loam, to one-third of well rotted cow manure and pot firm. To insure fine compact plants keep them pinched freely until the early part of October. Keep them in a frame for the next six or eight weeks as they will be better than if in the greenhouse. *Schizanthus Wisetonensis* is a fine type to grow. These plants want a cool house culture at all times—say about 50 degrees at night.

John J. M. Farrell

Mr. Farrell's next list will be on the following: Achimenes; Calceolarias; Coreopsis grandiflora; Eucharis; Lilium Harrisii; Winter Sweet Peas.

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the producing interests in the northeastern section of the United States a clause including flowers in the free commodities might have been squeezed into the bill. However, we look for a very interesting debate when those two sharpshooters E. I. Mepsted of Canada and P. Welch of America get at it. We don't know where Mr. Mepsted stands on the question, as Upper Canada would probably oppose and Lower Canada favor the free entry of flowers from the United States, although on the matter of free entry to the United States, Upper Canada might be "werry willin'," but if P. Welch cannot manoeuvre E. I. Mepsted into a defensive position it will be because the latter is much more artful than the most of us. Get to Convention Hall early on Wednesday morning if you want some fun.

Senate bill 3, introduced by Senator
 An educational project Carroll S. Page, now in the hands of the Committee on Agriculture and Forestry provides for Government

aid to the States in promoting a better system of education along agricultural and industrial lines and in home economics. The problem of wise and efficient training of young men and young women, always a paramount one, becomes now more serious than ever under the restrictions on a broad-gauge mechanical knowledge imposed by existing factory methods in the division of labor and by labor union proscription. As Mr. Page forcibly points out, Germany is now outrunning us in the race for commercial supremacy due in a large measure to the fact that when the German boy reaches the age of 12, 13 or 14, his characteristics, his physical equipment, the bent of his mind, are carefully ascertained and he is given a training which equips him for the life work which he decides to follow. "Not so with the American youth of the great middle class, especially in our villages and cities. He is turned adrift and the question presented to his mind is, not what will my future life work be? but rather, Where can I get a job that will furnish me the wherewith to buy my clothes and pay my entrance with my best girl to the moving picture show? In the majority of cases if he can find a position as boot-black, newspaper vender or messenger boy, he is content. In any event he follows the lines of least resistance and takes the work nearest at hand with little or no thought as to growing up into a well-rounded manhood. If he be a farm boy, he works along without specific training and becomes another of that great number who secure from the soil only half the profits they should." The high school, the academy and the college are taking excellent care of those boys who are financially able to avail themselves of their advantages, but for him who cannot, little remains but the prospect of a cheap manhood. If the entry of the National Government into a comprehensive and liberal co-operation with the States for instruction in agriculture and the trades will modify and improve these defects in our industrial system then, by all means, let us have it even if it becomes necessary to economize by cutting out a battleship or two!

Reciprocity with Canada is now an assured fact, at least so far as this side of "the line" is concerned. We cannot see just where any practical result can be reached by a discussion of the question of "Reciprocity with Canada on Floral Products" as is provided for in the program of the Baltimore Convention. Last year at Rochester would have been the time to have got busy with this proposition and, with a little assiduity on the part of

LILIUM FARQUHARI.

Our cover illustration this week shows another of the new hardy lilies collected by E. H. Wilson in his Chinese explorations. Mr. Wilson thought enough of this new species to name it *Lilium Farquhari* as a compliment to Messrs. Farquhar of Boston, with whom his relations have for years been of the most friendly nature.

At Horticultural Hall, Boston, on Saturday, July 22, this lily was exhibited for the first time and received the award of a silver medal. It was shown in cut form from the garden and as plants in pots, some of the bulbs having produced two, three and four flower spikes.

The flowers are very large, pure white except for a shading of green on the lower outside half of the trumpet and a soft green stripe towards the base of each petal inside. The nine plants shown displayed considerable variation in type, the shape of the trumpet, height of stalk, and the fragrance differing in several specimens. The photograph which we have reproduced gives an excellent idea of the waxy beauty of this new comer which, being hardy and easily grown, should in time take a high place among the forcing lilies as well as for garden use.

Messrs. Farquhar at the same time showed *Lilium myriophyllum* again and the impression grows that this beautiful lily has surely come to stay. Pure white with orange flush in the centre and deliciously fragrant, it will undoubtedly become a popular cut flower. Also a large exhibit was made of a very uniform strain of *Lilium longiflorum* grown in Korea and these were given honorable mention.

TOMATO DISEASES.

In Bulletin No. 138, June, 1911, of the Massachusetts Experiment Station, Dr. George E. Stone has treated the subject of Tomato Diseases in an exhaustive manner. This is a topic to which Dr. Stone has given many years of study and experiment and is an unimpeachable authority. Every one of the 32 pages covered is valuable reading for the vegetable gardener. Some sixteen diseases, induced by parasitic organisms or by abnormal functions are fully treated as their causes and prevention, soil conditions, etc. Dr. Stone sums up as follows:

"Tomatoes are subject to various dis-

eases, some of which are common to outdoor plants and others confined to those grown in greenhouses, and many affect crops grown under either condition.

The methods of treating outdoor crops necessarily differ from those required inside, since in the latter case the environment is more or less under control, and by proper control of the environment most of the diseases may be eliminated.

The principal diseases affecting outdoor tomatoes are the blossom end rot, tomato scab (*Cladosporium*), anthracnose (*Colletotrichum*), leaf blight (*Septoria*), leaf blight (*Cylindrosporium*), leaf mold (*Alternaria*), bacterial blight, downy mildew (*Phytophthora*) and timber rot (*Sclerotinia*). The first six occur to a greater or less extent in Massachusetts, some of them occasionally causing considerable damage. The others have been noted elsewhere and have often proved troublesome.

For the present, spraying must be recommended for the treatment of outdoor tomato diseases, although in some cases it is of doubtful value, and the returns from the crop during certain seasons in some sections would warrant little expenditure in this direction. Proper training and pruning are beneficial and a sufficient water supply is of value in the control of the blossom end rot.

The principal diseases affecting greenhouse tomatoes are the blossom end rot, timber rot, scab (*Cladosporium*), eel worms, wilt, surface molds, burn or scald, hollow stem, Oedema and mosaic disease. Of these, the first four are the most important and can be absolutely controlled—the blossom end rot by sub-irrigation, timber rot and eel worms by sterilizing the soil, and scab or *Cladosporium* by regulating the air moisture. The remaining ones are of little importance and as a rule result from abnormal conditions which should not be present.

The most important features in greenhouse culture are those connected with the management of the crop. Too great stress cannot be laid upon the necessity of the gardener's understanding the influence of such factors as heat, light, moisture, ventilation, etc. He should be careful about introducing radical changes in the management of the crop, and much discretion must be used in the application of fertilizers."

Copies of the bulletin may be obtained on application to the Agricultural Experiment Station, Amherst, Mass.

SPRAYING TO KILL DANDELIONS.

Review of Bulletin No. 335, N. Y. Experiment Station, by F. H. Hall.

In spite of the beauty of their bright blossoms in early spring, dandelions are regarded with disfavor by practically every lawn-owner. Their rapid growth, crowding out the grass, prevents the development of an even sward; and their coarse leaves, unsightly flower-stalks and fuzzy tops serve as unseemly decorations for the ideal lawn. They have been fought, and usually with slight success, wherever they have appeared in dooryards, parks or boulevards. Digging them up is tedious and disheartening; for their abundance makes it no small task to cut them out even on a few square yards, and unless cut very deeply, new crowns form and the owner's labors result only in an increase in the numbers of plants. In tests at the Station two plants were cut off repeatedly, below the crown, before any of the new leaves were four inches long; yet one plant died only after seven cuttings, the other after eight.

In other parts of the country, spraying with iron sulphate (copperas) has been reported successful in controlling these lawn pests; so that it was with high hopes that an experiment along this line was started on the Station grounds. A 10-ft. strip about 100 feet long of blue-grass lawn was sprayed six times during the summer of 1909 with iron sulphate solution containing 1½ lbs. of the chemical in a gallon of water, the sprayings being about four weeks apart and made, as far as possible, under conditions thought best adapted to kill the weeds. Success was not reached that year; so in 1910 the sulphate was increased to 2 lbs. to the gallon, the applications were made two weeks apart, and in three treatments the strip was sprayed twice, from different directions.

By the end of June, six treatments had been given and the effect on the grass of the lawn, with checking of growth by drouth, made it unsafe to spray longer. At this time 1085 living dandelion plants still remained, few less than on the untreated lawn beside the strip.

The spray blackened the dandelion foliage, so that the first impression was that the treatment was effective. It did retard or prevent blossoming; but it did not destroy the roots. The application of the copperas also made the grass foliage black and unsightly, though this effect usually disappeared before the next spraying. In no way, however, can spraying with iron sulphate be considered a success in removing dandelions from lawns in New York State.

Our Seventh Annual Convention Number

It will be issued under date of August 12, 1911. It will be full of interest for those who go to the Convention at Baltimore, and equally so for those who stay at home. It will be widely distributed and in publicity value to the advertiser will have no superior. Take a generous sized space in HORTICULTURE. You'll find yourself in good company. * * * * *

IT PAYS!

IT PAYS!

IT PAYS!

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS

BALTIMORE'S CONVENTION PROGRAM.

The convention program of the Gardeners' and Florists' Club of Baltimore, is now quite definitely settled. A fine steamer has been secured and an excursion trip down the bay to Tolchester Beach, a famous attractive resort, the Coney Island of Baltimore, will be given the guests. At this place the games will be played—the races, shooting, baseball, etc. At six o'clock the boat will leave and go farther down the bay, returning to the city about ten. From present indications it would seem that another steamer will have to be chartered, but the committee will be equal to the occasion whatever it may be. The aim is to make the Baltimore convention a record maker.

Among the prizes offered for bowling for ladies are the following: Boas cup, silver by Bolgiano, cut glass vase by Stewart & Co., cut glass bowl by Hutzler Bros., hand bag by Pennock-Meehan Co., silver by Dreer, silver belt buckle by Mrs. Christie, bowling ball by Brunswick, Balke, Collander Co.; Japanese bread tray by Rice & Co., flower holder by J. W. Putts Co., fern dish by Brager & Co., cut glass vase by Eisenberg, umbrella by Goldenberg & Co. Highest individual score, cut glass by ladies of Washington, D. C.; most strikes, linen center piece by O'Neil & Co.; most spares, silver cup by Michell; highest score in a special game which will be the third game rolled, silver cup valued at \$75, by Hochschild & Co.

Among the prizes for men's bowling are a good many money specials and valuable prizes by Pennock-Meehan Co., M. Rice & Co., Hosea Waterer, Edw. Reid, Pres. Geo. Asmus, Michell, Dreer cup, silver bowl by W. J. Johnson of Baltimore, F. C. Bauer of Baltimore, silver cup; Thos. H. Patterson of Baltimore, dozen fruit knives. There are many other prizes which will be given on the potato race for girls between 15 and 25, and boys between 15 and 20. There are also a number of good prizes donated for bowling that are yet to be assigned, as the sporting committee desire to distribute them so that everyone will have a chance to pluck a plum.

The ladies' committee have arranged for a grand trolley ride in special cars, which will visit all the suburban sections, and a fine luncheon will be served at the Country Club en route. This will be for ladies only.

BALTIMORE'S WELCOME.

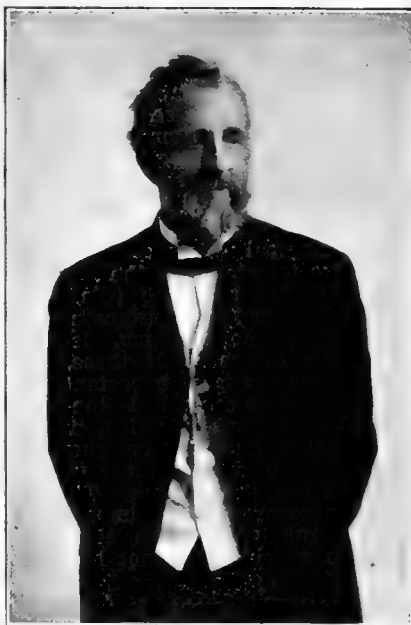
Members of the Society of American Florists and Ornamental Horticulturists:

In a very short time from now our city will be open to receive you as our guests, coming here from far and near, to this, the twenty-seventh annual Convention Meeting of the Society of American Florists and Orna-

mental Horticulturists, and we stand ready to extend the right hand of fellowship to one and all.

We hope that none will miss this opportunity to be here to renew old friendship and make new friends. We firmly believe our society is growing, and the indications are that this will be one of the best meetings and largest trade exhibits that the society has ever had. So "Come One, Come All," and let us have the pleasure of welcoming you in this our beloved city of Baltimore, and when we extend the parting hand, may you return to your homes well repaid for your visit, and with pleasant memories of the Baltimore Convention.

The different committees have worked faithfully together with the



RICHARD VINCENT JR.

single idea of making this meeting the most successful in the history of the Society. The hotel accommodations will be found ample and in equipment equal to any in the country, and reasonable rates, so that accommodations can be gotten to suit every one's taste, from the costly to the more moderate. Terms and conditions will be found in trade papers. Mr. Wm. Feast, who is the head of the Hotel Committee, will be more than pleased to locate any one of you, as you may wish, if you will communicate with him.

A large amount of space has already been taken in the Armory for exhibition purposes, but more good space is still left. We have one of the largest and finest exhibition halls in the country, where every one will be on an equal footing, as all is on the one floor. The Armory also contains rooms for the general meeting and committee meetings, also rooms for rest, comfort and convenience. Come and take possession and everything we have is yours for the time being.

Also try and bring some new mem-

ber with you, so that he or she may be benefited, and the society may increase in strength and usefulness.

Respectfully yours,

RICHARD VINCENT, JR.
Vice-President.

White Marsh, Md., July 20, 1911.

CONVENTION NOTES.

Although my two years' service as secretary have been pleasant ones, I wish to announce to my friends that I will not be a candidate for re-election. My duties at the University have increased to such an extent that it will be impossible for me to spare the time necessary for the work of the S. A. F. The duties connected with the office of secretary are rapidly increasing and the time is approaching when the secretary will be compelled to devote all his time to the interests of the society.

Knowing the importance of the position, I feel that I should make this statement in order that the members have enough time to think over the situation and select a new candidate.

S. A. F. & O. H. pins will be issued shortly to all life and pioneer members and to those annual members who have paid their dues for 1911. The pin will be necessary for admission to the exhibition hall.

Attention of florists should be called to the fact that to get the benefit of the meetings, the exhibition and the entertainments, it will be necessary to be a member of the S. A. F. & O. H.

By order of the president, a meeting of the executive board is hereby called for 10 o'clock Tuesday, August 15th, at the Belvedere Hotel, Baltimore, Md.

H. B. DORNER,
Secretary.

Urbana, Ill.

PROPOSED INTERNATIONAL EXHIBITION.

The First Provisional Schedule for the International Horticultural Exhibition to take place in London, England, May 22-30, 1912, has been issued from the office of the Honorable Secretary, Edward White, of Victoria St., Westminster, S. W. The exhibition will be held at the Royal Hospital, Chelsea, where about twenty acres of land have been set aside for the purpose. It is forty-four years since the last International Horticultural Exhibition was held in London.

Baltimore, Md.—Another severe hail and rain storm has caused much damage to local conservatories. A considerable quantity of glass, reset but a few weeks ago following a similar storm, was broken; hothouse plants were broken down and the beds flooded. In the fields, the farmers suffered very heavy losses, the wind and hail damaging the crops, especially beating down corn. Fruit trees also were badly injured. It is stated that in Westminster (Md.), hailstones four inches in diameter fell.

CLUBS AND SOCIETIES

AMERICAN GLADIOLUS SOCIETY.

Program of second annual meeting, Fifth Regiment Armory, Baltimore, Md., August 16 and 17, 1911:

Wednesday, August 16, 3.30 P. M.

Address of welcome, Mr. George Asmus, President S. A. F. and O. H. Reading minutes of last meeting. President's address. Financial secretary's report. Treasurer's report. Nominating committee's report. Report of committee on "What Constitutes a First Size or Saleable Bulb."

Thursday, August 17, 9 A. M.

Report of judges. Election of officers. Report of miscellaneous committees: bulletin, exhibition, etc. Report of committee on nomenclature. New business. Lecture, "Gladiolus Diseases," by Prof. Whetzel, or assistant from Cornell University, followed by discussion and reports from state committeemen on diseases.

L. MERTON GAGE,
Cor. Sec.

The exhibits will be staged in a room near the superintendent's office, and will be the headquarters for all the members. A desk will be furnished for those who wish to attend to their correspondence in the Armory.

It is earnestly desired that intending exhibitors make their entries as early as possible, which will greatly facilitate the work of the committee. Entries close August 12th and must be sent to the corresponding secretary, L. Merton Gage, Orange, Mass., who will furnish schedules and blank entry forms upon application.

H. YUELL,
Chairman Exhibition Committee.

NORTHERN INDIANA FLORISTS' ASSOCIATION.

The Northern Indiana Florists' Association held their annual meeting at Winona Lake, a handsome summer resort, in which are more high-class entertainments than any similar place to be found anywhere in the country. We are proud of it and would like all our friends to come and see for themselves. The meeting was well attended, but the exhibition consisted entirely of gladioli, mostly from A. E. Kunderd of Goshen, originator of the new Ruffled gladiolus, samples of which were on display together with a number of others which were pronounced by all to be the finest they ever saw. Henry Johnson, Kendallville, also exhibited a vase of creamy white with pink throat, such as every florist is looking for for their retail trade.

The election was the important business of the day and resulted as follows: President, J. D. Conner, Wabash; vice-president, Harry White, North Manchester; secretary and treasurer, A. J. Wagoner, Columbia City; directors, Simon Humfeld, Muncie, and Paul Beyer, South Bend. Three new members were added, making a total of 42.

The next meeting will be at Fort Wayne, at which time we shall hold a fall show, which we hope will be patronized by many outside growers as a liberal list of premiums will be

offered. The date will be published later.

A. J. WAGONER, Secretary.

FLORISTS' CLUB OF WASHINGTON.

Wm. F. Gude will entertain the Florists' Club next Tuesday evening on the lawn at his residence. It will be "ladies' night", and the meeting will be social as well as business. The principal topic will be the question of entertaining the members of the S. A. F. who may come over from Baltimore when the convention is held in that city. The Washington florists expect to do something hospitable, but although a number of plans have been tentatively suggested, nothing definite has yet been agreed on, and it is expected that some decision will be reached Tuesday night.

F. J. DYER.

Because of the backward season the exhibition of annuals and perennials by the Lenox (Mass.), Horticultural Society has been postponed until August 10. James O. Clifford, Walter Jack and Thomas Paige are a committee for arrangements.

PERSONAL.

Richard Rolston will take charge of the new store of C. J. Friedman, 63 West Congress street, Chicago, Ill.

Louise Greenwood Stewart, daughter of Wm. J. Stewart, and Ralph Willett Messinger of Taunton were married at Winchester, Mass., on Wednesday, July 26.

Recent visitors in Boston—Robert Shock, representing M. Rice & Co., Philadelphia; J. J. Karins, representing H. A. Dreer, Philadelphia; Ed. Gernaly, Montreal, P. Q.; Chas. H. Vick, and Mr. Mandeville, Rochester, N. Y.

Visitors in Philadelphia: Fred Cooney, Cincinnati, O.; George Carson Boyd, Wilmington, Del.; J. J. Conlin, representing Connelley & McCarthy Co., Charleston, S. C.; Coroner King, Norristown, Pa.; Chas. Ebele, Jr., New Orleans, La.; J. A. Penny-packer, So. Bethlehem, Pa.; Charles J. Graham, Cleveland, O.

**YOU CAN LARGELY
INCREASE
YOUR FALL BUSINESS**

By inserting an advertisement in these columns, beginning at once.

**MANY FLORISTS WILL
SELECT THEIR STOCK
FROM AMONG THESE
ANNOUNCEMENTS**

During Recess

St. Louis Florists' Picnic.

This much-talked-of picnic took place at beautiful Ramonia Park, Thursday, July 20th. A committee consisting of E. W. Guy, J. J. Beneke and W. C. Smith had everything in readiness for a good day's enjoyment. The attendance was not quite so large as on previous occasions but there was a good crowd numbering about 400, the larger part of them going out in the afternoon in time for dinner. A fine band kept the young folks in good humor in the dance hall and the lake offered fine boating and fishing.

Messrs. Pilcher, Fillmore and Beneke were the reception committee and Al. Gams, "Billy" Patton and F. Windler had charge of all the games, for which fine prizes were offered.

The walking match for growers only was won by John Connon. Young ladies' race won by Miss Anna Bishop. Girl's race, Miss Lizzie Lowe. Boy's race, Wheeler Detgen. Ball throwing contest for men, Al Gams. Ball throwing contest for ladies, Mrs. Faerber. Fifty-yard race, for men over 50 years, J. J. Beneke. 100-yard dash for young men; a field of 15 started in this and it was won by Oliver K. Sanders. Married ladies' egg and spoon race, Mrs. Oscar Kuehn. Hop, step and jump contest, Al Gams. Tug of war, two sides of 12 men each, picked by R. J. Windler; the pull was a long one and after tugging back and forth the rope broke and both sides hit the ground hard, the committee declaring it a draw. The ball game was declared off as the retailers failed to get their team out. This, they say, will be played later in the month. The prize waltz came next and was judged by Messrs. Pilcher, Eschuer and Windler. The prize was awarded to Miss Martha Helwig and Frank Windler. After supper the young folks took charge of the dance hall. Everyone had a splendid time and the day will long be remembered.

Gardeners' and Florists' Club of Boston.

The annual picnic of the Gardeners' and Florists' Club of Boston took place, as scheduled, on Wednesday, July 26, at Caledonian Grove, West Roxbury, Mass. The day could not have been more delightful as to weather if made to order, and the grounds proved to be the most desirable and satisfactory which the club has ever visited. The crowd in attendance was large, and the competition on the various games and stunts was very keen.

Wm. J. Kennedy, officiated as ring master, Edward Rose as starter, Wm. McGillvray as handicapper, Wm. N. Craig as clerk, K. Finlayson, Thos. Westwood, A. F. Barney, Geo. Shield, James Wheeler, Frank Allison, Wm. Harvey and Peter Fisher as judges, James L. Miller as umpire and P. J. Turley, Wm. Downs, Robt. Cameron, John P. A. Guérineau, Wm. J. Kennedy and P. M. Miller as committee.

The two great events of the annual picnic are the baseball game and the tug-of-war, in each of which the commercial and private gardeners are pitted against each other. The baseball game was won by the commercials

by a very close margin. The captains were A. E. Walsh, commercial, and R. W. Curtis, private. The tug-of-war was won by the private gardeners under Captain Duncan Finlayson. Wm. Hastings was captain of the commercial bunch. The fat-men's race, always a fun provoker, was won by D. F. Roy of Marion, on a scratch, and Mr. Roy was the proudest man "that ever came down the pike."

Prizes for the various classes were given by Lunt, Moss & Co., T. J. Grey, Co., W. N. Craig, P. Fisher, M. A. Patten, Ames Impl. and Seed Co., H. F. Michell Co., D. Iliffe, H. Terry, Fottler, Fiske, Rawson Co., Lord & Burnham Co., W. J. Anderson, P. M. Miller, Boston Plate and Window Glass Co., Eber Holmes, Jos. Breck & Sons, Stumpp & Walter Co., Thos. Roland, J. F. Shea, Thos. Pegler, New England Nurseries, Thos. Westwood, H. M. Robinson & Co., P. di Stacio, Penn the Florist, A. H. Hews & Co., Wm. McLaughlin, W. E. Fischer, Benj. Hammond and Duncan Finlayson.

A Chicago Outing.

It takes more than a rainy day to daunt a crowd of Chicago florists bound for a picnic. On Sunday as the time drew near the skies darkened and the rain fell. Notwithstanding two hundred tickets were presented and not a florist nor a florists' friend but stoutly maintain they never had a better time than at Erhardt's Grove, Park Ridge, July 23, 1911. Sympathy is being freely extended to the Retailers who were defeated by the Wholesalers at baseball, the score standing 16 to 9. In the races the prizes were won as follows.

Girls under 6—L. Kohout, H. Covert.
Boys under 6—L. Zeck, P. Ottenbacher.
Girls under 12—H. Covert, A. Serneuz.
Boys under 12—L. Zeck, G. Erhardt.
Girls under 16—L. Krauss, J. Glassman.
Boys under 16—B. Johnson, C. Enders.
Single Ladies over 16—L. Goerlsch, L. Krauss.
Married Ladies—Mrs. P. Olsen, Mrs. Harrington.

Mr. Gernenz carried off the honor due to the fat man. In the 150-yard dash open to all Joe Enwert and Mr. Lully were winners. L. Koropp and Mr. McDonald made themselves famous as pie eaters and received respectively an order for a hat and a pocket knife.

The Cincinnati Florists' Outing.

The Cincinnati Florists held their annual outing at Coney on last Thursday. A heavy shower towards evening that lasted for a couple of hours served to put a damper on the baseball game, but not upon the enthusiasm of the crowd. The games subsequently resulted in a bowling match of a single game which the bowlers with the aid of two eminent stars won.

The results of the other contests was as follows:

Boys' ball game won by Growers (Ben George, J. J. Capt.)
Boys' 100 yd. dash won by Geo. Culver.
Donor of prize: Heiman Floral Co.
Boys' sack race won by Adolf Demler.
Donor of prize: P. J. Olinger.
100 yd. dash men won by Chas. Windram.
Donor of prize: J. M. McCullough's Sons Co.
Senior men's race won by Ed. Murphy.
Donor of prize: R. Witterstaetter.
Mile run, 1st, Jos. Ludwig; 2nd, Chas. Windram.
Donor of prizes: C. F. Churchill, J. M. McCullough's Sons Co.
Married Ladies' race won by Mrs. Wilhelm.
Donor of prize: E. G. Gillett.

Single girls' race won by Miss Marie A. Hoffmeister.

Donor of prize: Avondale Floral Co.
Bowling (ladies) highest score 1st, Mrs. Ehland; 2nd, Mrs. Pfeiffer; booty, Mrs. R. C. Witterstaetter.
Donor of prizes: L. H. Kyck, John Jennings.

Men, highest total in series of 3 games
1st, Wm. Schumann; 2nd, Wm. Sunderbruch; 3rd, Ray Murphy; 4th, Al. Sunderbruch; booty, Ed. Horning.

Donor of prizes: Ray Murphy, C. H. & O. H. Hoffmeister, Al. Horning.
Highest score in single game: R. C. Witterstaetter.

Donor of prize: Wm. Murphy.
Highest number of strikes and spares
1st, Wm. Schumann; 2nd, Ray Murphy.

Donor of prizes: Lawrence Fritz, J. M. McCullough's Sons Co.

Six are tied for the consolation prize, consisting of a nursing bottle, filled with the best rye in town, for the one making most splits.

Taken as a whole the outing was an unqualified success and well repaid the efforts of the committee in charge.

A Detroit Outing.

The Michigan Cut Flower Exchange invites all its friends, employees of local florists and their families, to an outing, next Monday. The party will start by boat, leaving at the foot of Bates street at 1 P. M., going up the river to Peake Island, and returning at 7.00 P. M. This island was purchased by the local ferry company from Mr. Theo. D. Buhl, a millionaire hardware merchant, and it contains a very large summer residence and extensive farm buildings. It is well stocked with the choicest fruits of all kinds, and is slowly being converted into a pleasure ground by the ferry company. It will be the first time that a party of excursionists have set foot on the island. To have some idea of the number who will accept this invitation the Michigan Cut Flower Exchange is issuing tickets free of charge.

FRANK DANZER.

New York Bowlers.

The generous offer made by F. R. Pierson of a bowling ball to each of the five members of the New York Bowling Club averaging the best in thirty games from April to August, will be appreciated by the winners—Messrs. Chadwick, Manda, Kakuda, Scott and Shaw, the averages ranging from 130 to 180. This is not, however, the team that will represent New York at Baltimore. Bowling by the New York Florists' Club's Association continues every Friday evening. The scores last week, July 21st, were:

Kakuda	174	179	159	Scott	140	134	152
Manda	199	187	180	Shaw	147	151	146

Chicago Bowlers.

Chicago bowlers met as usual July 18 and as a result of the summer practice five were selected to represent the team at the S. A. F. convention in Baltimore. The fortunate men are J. Zeck, W. Wolf, P. Olsen, Geo. Asmus and Ed. Winterson.

The Michell ball team was again disappointed on Saturday, the 22nd, in having their game with Maule's Seed House cancelled at the last moment. The manager had to hustle around for a game, and succeeded in booking the strong General Electric Company team. Score: Electrics, 8; Michell, 6. After the game Miss Mabel Beringer entertained the members of the team at dinner at her home in Norwood, Pa., and a very enjoyable evening was

spent. Next week (July 29th), Michell's cross bats with the team of Pen-nock-Meehan Company.

CHICAGO NOTES.

Ready for Opening Aug. 1st.

Everything is being rushed to completion at the building rented by the Chicago Flower Growers' Association, at 176 Michigan avenue. The ice box being built by Orr & Lockett is probably the largest built for the trade in Chicago, and costs \$1200. The compartments are so constructed that they can be shut off, reducing space for the dull season. All the ice is overhead, thus giving all possible space for stock. J. Kidwell, president of the association, states that all stock from the sixty growers will be pooled and then graded, and the system was studied with the help of an accountant till it is his belief that the individual grower will know exactly the grade of his stock and the price it brings as well as the amount lost, if any. A large, light, sorting room at the rear, an office at the front, and zinc covered tables complete the equipment. The basement will be used for storage and the second floor for plants. Otto W. Fresé, the manager, is getting out circular letters to the trade this week.

Trade Jottings.

Phil. Schup of the J. A. Budlong Co. report the shipping trade as very good. Late asters here look very promising.

The Chicago Carnation Co. are cutting the best asters seen in the market this week. They are grown under glass.

Frank Beu, whose place on North 40th avenue has steadily grown in value, has now added a lot 100x175 facing on Montrose avenue and cornering on the original place. This gives an excellent store site and possibilities of extending the business in that rapidly growing section.

O. J. Friedman will open his new store, known as the Western Floral Co., at 63 W. Congress street, Aug. 1st. Richard Rolston, formerly with J. F. Kidwell & Bro. will be in charge.

Personal.

Henry Van Gelder who has been seriously ill is again seen in the market.

Frank Ayers is in Paris, Texas, called home by the serious illness of his mother, Mrs. H. C. Lark.

Miss Ella Schaefer is missed from the stenographer's desk at Bassett & Washburn's, and will be away two weeks.

Miss Corinne Pherson, of Vaughan & Sperry's has returned from Buchanan, Mich., and Miss Charlotte Paradise has a leave of absence early in August.

John Starrett, florist of the La Salle hotel underwent an operation this week necessitated by a fall on the icy stairs going into the market two years ago.

John Pavechick, head of the wire department of the E. H. Hunt Co., is enjoying a postponed vacation. Several large orders have kept the entire force at work overtime for weeks.

Among those enjoying vacations at this time are Robt. Northam, manager for Geo. Reinberg, at White Lake, Mich.; R. E. Schiller, at Sioux Falls; Herman Schiller at Sister Lakes, Mich.; Jack Byers on a lake trip, and F. Wright, in Michigan.

MINNEAPOLIS CIVIC CELEBRATION.

The city of Minneapolis has just closed a colossal civic celebration in which the formal completion of the great public park project of uniting the waters of Lake Calhoun with Lake of the Isles was a central feature. The affair, which extended over the period of a week and upon which over \$100,000 was expended for spectacular features, was not designed to be wholly entertaining but included much that was educational and inspiring.

From the beginning to the end every feature was a success. Everything was executed with a completeness that the words "well done" could be associated with each and every event. All the prominent streets were richly adorned with elaborate decorations. On about two miles of business and one and one-half miles of residential streets floral decorations, consisting mainly of window boxes, were the chief attraction. One of the best decorations was that along the "Nicollet Court of Honor." Upon entering this court one was confronted by a continuous perspective of festooned green attached to great white pilasters in line on either side of the court. The windows of the buildings were filled with flower boxes, which in mass gave one the idea of a vertical flower garden. The composition was unique and beautiful in the daytime, and at night, being brilliantly illuminated, compared with fairyland.

We show in this connection pictures depicting the type of window boxes most widely used. It will be noted that the make up is of plants of moderate cost, easy care and good staying qualities so that the show will be at-



Window Boxes at Minneapolis No. 2.

tractive all through the summer and people generally may be expected to follow the example thus given of the fine results obtainable from a trifling expenditure. The contents of the boxes are given as follows:

The box shown in illustration No. 1 is six feet in length, one foot wide and ten inches deep. It contains forty-two plants, namely: Two each of *Dracaena indivisa*, *nasturtium*, German ivy; four each daisies, *Vinca minor*, *coleus*, *Begonia Vernon*, sweet alyssum; eight each "Howard's Star" petunia and *S. A. Nutt geranium*. Illustration No. 2 shows boxes four feet in length each containing two each of *Dracaena indivisa*, *nasturtium* and *heliotrope*; three *coleus*, four each *vinca* and *geranium*, six petunia and six *lantana*—twenty-nine plants in all. The *nasturtiums* and other vines starting from

the ground will soon reach and intermingle with the box plants making a very pleasing effect.

Minneapolis, as already noted, has the making of one of the finest park systems in the world. Same consists of 3400 acres of park land and 37 miles of boulevards, and is under the management of that resourceful and tireless man who has no superior in his field of work, Theodore Wirth, superintendent. The boulevards at present extend more than half-way around the city and in the near future it is planned to make them a concentric feature, thus enabling one to reach all of the large parks by way of the boulevards. It is within these large parks that some of the greatest events of this Civic Celebration have taken place.

THE EVOLUTION AND POLLINATION OF SWEET PEAS.

Dr. A. C. Beal before the National Sweet Pea Society of America.

Evolution.

During the first one hundred years of the history of the sweet pea only three varieties or colors were known, viz., purple with blue wings, pale red with white wings (Painted Lady), and white. The black and scarlet appeared in the last years of the eighteenth century. It is quite probable that the scarlet was very far from what we conceive a scarlet sweet pea should be today. In Martyn's edition of Miller's Gardener's Dictionary, 1807, we find the white, the Old Painted Lady, the New Painted Lady, the latter with a rose-colored standard and pale rose wings, Old Purple, and a variety having a violet keel and wings and purple standard. Sayers describe the scarlet sweet pea as *Lathyrus flore rosea*, while the Painted Lady is described "Fleshed" color. From this we



Window Boxes at Minneapolis No. 1

may conclude that the New Painted Lady, a rose-colored variety, was sometimes called scarlet.

The first of the striped varieties was offered in 1837 and since that date this group has been augmented until the classification now includes Striped and Flaked (red and rose, purple and blue). This classification, however, does not express the real range of color in this group, for we have crimson stripes, e. g., America; red and rose stripes on white—Aurora; red and rose stripes on primrose Jessie Cuthbertson; mauve stripes Gaiety; blue stripes—Prince Olaf, and Mester maroon-flaked like Senator. The American growers have introduced the majority of the best varieties of this group among which are America, Aurora, Columbia, Day-break, Gray Friar, Juanita, Pink Friar, Ramona and Wawona. Many of these are now procurable in the waved form.

The variety Blue Edged, the probable forerunner of the picotee forms, appeared in 1860. This was a white variety with a well-defined blue edge, a probable hybrid between *L. Magellanicus* and a white variety of *L. odoratus*. The variety, at all events, was the first to exhibit a distinct blue color among sweet peas. Later it was known as Blue Hybrid, under which it won an award from the Royal Horticultural Society. Sutton & Sons sent out Butterfly in 1878, which somewhat resembled Blue Edged. The so-called "blues" that followed were Invincible Blue, Madame Carnot or Imperial Blue, and Captain of the Blues, all of which had considerable red in the standard. It was not until 1899 that a good blue, in Navy Blue (Lord Nelson), appeared.

The first of the soft pink varieties was Crown Princess of Prussia, 1868-9. Isa Ecaford, Peach Blossom, and Lovely are the improved varieties of this color.

The efforts of the breeders of sweet peas have not all been directed toward the development of new shades of color. The form of the flower has also received attention. The earliest representations of sweet pea flowers show a loose, irregular bloom, with the edges of the standard turned back, i. e., reflexed. Often, if not always, the standard had the notch in the apex and frequently in the margin. The standard, which is the principal part of the flower, has been improved in substance and the notches have been eliminated. The old type had a narrow base, and with the improvement noted has come a "filling out" of the lower edges of the standard so that the outline approaches a circle.

In their efforts to secure varieties of the best expanded or open form many beautiful hooded varieties were originated. While this form was condemned as inartistic by many sweet pea specialists, it nevertheless secured a permanent place. Prima Donna, Lovely and Countess of Radnor are of this form.

When many had reached the conclusion that no further advances in either size or form were to be expected and that the efforts of future breeders

would be directed toward securing new colors and more flowers per stem, Nature demonstrated that she had other surprises in store.

In 1901 the Countess Spencer variety was exhibited and caused quite a sensation. The National Sweet Pea Society awarded it the highest honors. This variety was distinct from all preceding introductions because the standard and wings waved. The flowers were very large and borne in fours on stout stems. It was introduced in 1904.

The parentage of this variety has been given as (Lovely x Triumph 1898) x Prima Donna 1899. However, there appeared in 1905 a variety named Gladys Unwin which was the same color, but smaller and less waved than Countess Spencer, which was a selection from Prima Donna without known crossing being effected. These varieties, however, were forerunners of the new type which revolutionized sweet pea culture in England and has revived and quickened the interest in America.

Pollination.

We have previously noted that the pistil and stamens are enclosed in the keel formed by the partial coalescing of the two lower petals. A very slight pressure upon the base of the keel will cause the pistil to suddenly appear in the tip of the keel. The stigmatic surface is usually covered with pollen, and at the same time the stamens appear to view. If the pressure is released these organs disappear as suddenly from view.

Those who are looking for flower adaptations for the promotion of cross-fertilization would say at once that here we have a mechanism which is operated by the weight of a bee alighting on the keel, and the pistil and stamens rise up striking it upon the body, receiving and giving pollen. Thus as the insect visits flower after flower, natural cross-fertilization is carried on.

This, however, is not the case. In the first place, if we examine flowers in the bud stage, we find the pollen ripe. The position and condition of the stigma changes, for before the maturation of the pollen, the stigma is below the anthers. A day or two later the stigma has risen to a position among the anthers and is viscid enough to hold the pollen grains.

In another day or two it has grown beyond the anthers. Self-fertilization has taken place and the development of the legume begun. This process has taken place before the flower is fully open. Sometime later the pistil is pushed out of the protecting keel by the developing pod.

Such is the normal fertilization of sweet peas, as observed upon examination of the flowers. Attention has been called to the fact that the sweet pea stood practically for one hundred and fifty years, and the question asked how it can be reconciled with natural cross-fertilization.

During the writer's experience in the field last season for three months studying varieties and recording observations, not a single instance occurred of a bee alighting upon the keel of the flower, nor were any observed crawling between the wings. All the bees observed visiting the flowers, alighted on the outside of the wings,

and in practically every case, thrust the proboscis down between the right wing and the standard. In this connection it may be mentioned that the bees did not show a preference for any particular color, but flew from row to row and color-section to color-section.

Mr. T. H. Dipnall has observed that bees attack sweet pea flowers. The bee (a yellow and white banded species) alighted on the calyx, crawled around to a certain position, and cut a hole through the calyx so that it could thrust its proboscis through and suck the nectar at the base of the pod. The reason is not clear why the insect prefers one side of the flower since the structure is similar on each side.

It is to be remembered in this discussion that sweet peas grown under glass in winter are not visited by bees, but every flower in sunny weather will set seed if the blooms are not kept cut.

Since the introduction of the waved type there has been much discussion about the difficulty in fixing varieties and the reasons for it. Some growers, having secured what was to all indications a fixed stock, discovered after sending it out, that it was not fixed. Some growers thought it only occurred when the novelty was sent to California to work up a large stock of seed, or after it had passed into the hands of the California growers. One of the theories advanced to explain this was that some insect in California was responsible for some cross-pollination of flowers. In our own trials this past season no differences were observed between English or American grown stock since we had seeds of novelties direct from the originators and our varieties were from the introducers. Others say that bees visit the flowers and they believe that crossing takes place in the waved type which it is maintained does not produce normal flowers in that the pistil sometimes projects beyond the keel.

It appears that if this view is correct the poor seeding of the waved type would not occur or at least that the worse the fault of the flowers the greater the crop of seed. Thus the varieties which seeded freely would become cheap and drive out the others. The writer thinks that the results obtained by the seed growers contradict the theory. It appears that the poor setting of seed may be due to the fact that the pistil may grow out beyond the anthers before the latter are mature and thus fertilization be prevented by irregular development of the parts. Otherwise the pollen may be impotent in some varieties, but this does not occur so far as the writer has studied the reports of the sweet pea breeders. The writer did not observe any pistils showing the defect mentioned, but as our season was very dry our plants did not make an exceptional growth which would be likely to express itself in abnormal flowers. However, it was observed that some varieties seeded more freely than others. We have planted most of the varieties this year from seeds saved in 1910, and knowing those which were fixed last year as well as those with rogues of certain colors we think that some light may come upon this matter of cross-fertilization, if any, in the sweet pea.

THE NEW CHRYSANTHEMUMS FOR 1911.

Read Before the Morris County Gardeners' and Florists' Society by C. H. Totty.

Just as regular as the year rolls around, so does the chrysanthemum enthusiast, at flowering time propound the question, "What have you that is new in 'mums?"

There seems to be a perpetual craving among the chrysanthemum growers, more than any other flower growers, for something different. Since I have been giving you what we may here term as the "Yearly Digest" of new varieties, which now extends over a period of nine or ten years, we have seen many wonderful changes in the chrysanthemum. The marvellous flowers of Mrs. David Syme, exhibited at our own show last fall demonstrates perhaps a greater advance than any other variety, although in any color the peer of five years ago is of very average quality today. Chrysanthemums, it is true, run out more quickly than roses or carnations and many new varieties must be continually raised to keep the standard moving upward and onward, but, even if they did not run out, the variety that we thought was a king five years ago, would be easily outdistanced in the shows of 1911 by this year's seedlings.

The chrysanthemum today is systematically hybridized and a careful and scientific record is kept of the peculiarities and good points of each variety. Where variety has perhaps a splendid color and is deficient in foliage the hybridizer will use that type just to get the color fit on a sturdy stem or he will proceed to work on a variety that is perfect in form but small, to get that same form in a flower two or three times as large. The old days of saving seed indiscriminately from pollination by the wind or bees, are past and while one cannot yet definitely forecast exactly what will result from different crossings, a percentage of the seedlings will come near the desired result.

I will briefly describe a few of the novelties for 1911. What the varieties that I recommended so highly last year have done, is now a matter of history, Mrs. D. Syme, Howard Gould, Lemon and Onunda being among the most prominent flowers in the exhibition just past. It is very encouraging to see one's varieties maintain their winning way year after year, but, as before stated the result is due to scientific selection of the seedlings and we may reasonably expect that still further advances will be made in the future.

Looking first at the variety Wm. Turner; this showed up splendidly with us, though stock was too limited to be exhibited at many of the shows. Mr. Wells stated, when writing regarding its winning the Gold Medal at Edinburg, that it would easily beat Mrs. Syme. Those of us who remembered the way Mrs. Syme was exhibited at Morristown in November, might perhaps be pardoned for a little scepticism, did we not know that in almost every case, varieties sent out by Mr. Pockett as improvements on this or that, have invariably fulfilled the prediction of their raiser. Wm. Turner is an excellent grower, just as strong as Mrs. Syme and it will be interesting

to note how long it takes the former variety to climb to the top of the heap.

The variety that I like best of all the novelties is Mrs. G. C. Kelly. This is certainly a splendid grower and seems to combine every good feature the chrysanthemum should have, and so far as I could see from my limited stock, has no faults whatever. I had seven plants and each one produced a perfect flower. The color is old rose with a reverse light enough to give a general effect of silvery pink. I have predicted that this variety will be a leader in the shows next fall. Time will prove whether I am right or not.

E. M. Byrnes, which many of you saw growing at my place is not going to set the world on fire for size. It is only medium, but the color is wonderfully brilliant. We have today many splendid scarlets raised from the same stock, Pockett's Crimson, Pockett's Surprise and Leslie Morrison being perhaps the most largely grown. Byrnes, on account of its wonderful color, is entitled to be grown alongside of these kinds and I think it possesses wonderful possibilities for the hybridizer.

Harry E. Converse may be described as an improved Howard Gould, giving somewhat the same color with a larger flower and heavier growth. My only objection to Converse is that it is so slow in reproducing that I am afraid most of the exhibitors this year will have to go without it, as stock is altogether too limited for general distribution. Lady Carmichael is a white which was heavily recommended by its behavior in Australia. Past performances have taught us that varieties that do well in Australia and stand the sun and weather will also do well here, as our climatic conditions are much the same. When we get temperatures running up into the seventies, and brilliant sunshine, unless a variety has lots of petals in it, it will become hollow-eyed and is then only half its proper size. Carmichael should next year make an excellent showing as it is a splendid grower and carries itself like a major. I think when this variety gets into general cultivation it will be considerably grown by the commercial men to whom stiffness of stem is one of the chief essentials of profitable cultivation. These varieties are the cream of the Australian seedlings imported for testing in this country and represent the final assortment of a great many thousand seedlings and it is in a large measure due to this unsparing pruning down that the Wells-Pockett varieties occupy the enviable position that they do at the present time.

Of the American-raised seedlings, F. E. Nash is the only one I have seen personally and I am consequently not in a position to say much regarding others. Nash is a Duckham seedling, having much the same color and splendid habit of growth but it has reflexed petals, whereas the Duckham petals are incurved. There are other American seedlings—Tarrytown, Morristown, Lenox, Glen Cove, etc.—but I have not seen any of them and therefore am not in a position to give you any information about them.

The novelties in types other than the tremendous exhibition flowers also show marked improvement. The newest singles, for instance are very dif-

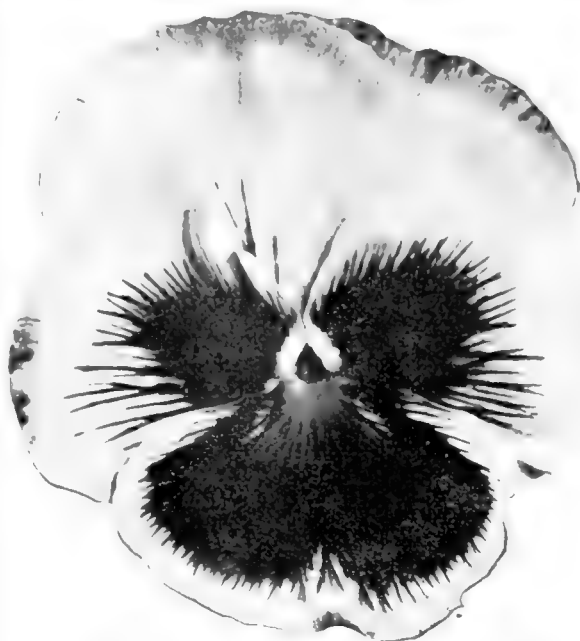
ferent to the types we were working with five years ago. Some of the best of this year's set are Miss Hilda Wells, a beautiful red with a yellow zone at the base of the petals; Crimson Mary Richardson, which is a sport of the most popular single ever sent out—Mary Richardson, and is worth growing by everyone; and two very handsome yellows are Margaret Totty and Emma L. Davis.

And while speaking of singles I may here mention that during the past two or three years I have been experimenting and working up a group of what I may term, Early-Flowering Outside Singles, which I have gotten down to such a fine point that I can guarantee them to be in full bloom the last week in August and the first week in September. These, no doubt, will fill a long-felt want and will give a much different appearance to the estates and gardens where the superintendent is an enterprising man and wishes flowers along the drive or in clumps on the place. It not only adds to the beauty of the same but they will give an over-abundance of flowers to use, whereas if it weren't for these, as has been the place appears barren. Now if he wants to find something to cut he has it. These single chrysanthemums are certainly very effective no matter how they are used.

Pompons are not grown as much as I think they should be. Any gardener who has to produce great quantities of flowers from a limited space will find it hard to grow anything that will give as good return for the time and space involved as these chrysanthemums. They can be grown outdoors all summer and lifted in the fall and potted or stuck into a deep frame and they will give an abundance of flowers until quite late in November. Some newer varieties that are not as yet generally distributed are: Barney, Golden Bronze, Myer's Perfection, a very handsome white, Sylvia, Urith, Windlass and Yellow Gem.

The type known as Early Flowering varieties, which many of you with an old-country training will recall as flowering so profusely outdoors during the months of August and September, will also give you varieties well worthy of your time and attention. We have been importing these sorts for the last three years trying to get a selection that would come early enough to give good satisfaction before the frosts. As you are probably aware the intensely hot sun in July and August causes most of the early buds of these varieties to dry up. This is, of course, explained by the fact that the chrysanthemum is a cool-growing plant. I would suggest, wherever possible, to plant them on a border facing north, where the rays of the very hot sun do not rest on them for many hours during the day; also, where a man is not handling very many, a continuous use of the sprayer will help much to develop and expand the buds, thereby diminishing the loss of the same.

We now have some fifteen or eighteen varieties that will begin to flower the third week in August. They need no greenhouse and one need not worry about bud selection; simply give good soil and persistent cultivation. Plants set out in the spring and left to develop naturally produce handsome bushes literally covered with flowers. I would state that as a commercial



PANSY—Boddington's "CHALLENGE"—All Colors

This mixture contains all the finest Giant strains—of the leading Pansy Specialists in the world—the Giant self-movers, the Giant striped and margined, and the Giant blotched, etc., and carefully mixed in proportion—the finest that money can buy, the finest your money can buy. A French lady has said, "Why don't you call it 'Boddington'?"

Trade pkt., 50c; 1/2-oz., 75c; 1-oz., \$1.50; 1 1/2-oz., \$2.75; oz., \$5.00

PANSY SEED TIME

Choice Varieties of Giant Pansies

	Trade pkt.	1/2 oz.	Oz.
Giant Trimardeau. Improved mammoth-flowering in good range of color.....	\$0.15	\$0.50	\$1.50
Giant Masterpiece (Frilled Pansy). Petals beautifully waved, exquisite colors.....	.15	.85	3.00
Cassier's Giant. A fine strain of large highly colored flowers.....	.15	.85	3.00
Giant Bugnot's Stained. Exhibition. Extra choice flowers, large and plenty of light colors.....	.50		
Giant Madame Perret. A recent introduction, by a celebrated French specialist; of strong, free growth. Especially rich in red shades.....	.15	.85	3.00
Giant Fire King. Brilliant reddish yellow, with large brown eyes.....	\$0.25	\$1.00	\$3.00
Giant Lord Beaconsfield. Deep purple violet, top petals light blue.....	.15	.50	1.50
Giant Canary Bird. A five-spotted yellow variety. Ground color, is a deep golden yellow and each petal is marked with a dark blotch.....	.15	.85	3.00
Giant Orchideiflora, or Orchid-flowered Pansy. Splendid variety. Beautiful shades of pink, lilac, orange, rose, terra cotta, chamoise, etc.....	.25	1.25	4.00
Giant Emperor William. Ultramarine blue, purple eye.....	.10	.50	1.50
Giant Golden Queen. Bright yellow, no eye.....	.15	.80	2.00
Giant Golden Yellow. Yellow, brown eye.....	.25	.75	2.50
Giant King of the Blacks (Faust). Black.....	.15	.60	2.00
Giant President McKinley. Golden yellow, large dark blotch.....	.15	.85	3.00
Giant Prince Bismarck. Yellowish bronze, dark eye.....	.25	.75	2.50
Giant Rosy Lilac.....	.15	.60	2.00
Giant Pretiosa. Crimson-rose, white margin, violet blotch.....	.15	.60	2.00
Giant White. Violet spot, the largest white.....	.10	.50	1.50

ARTHUR T. BODDINGTON, Seedsman, 342 West 14th St., NEW YORK

proposition these varieties produce more money per plant than any of the best large-flowered kinds.

A few of the most distinct and best growers are as follows: Ethel Blades, Horace Martin, Carrie, Marie Masse, Crimson Masse, Roi de Blancs, Tottie and Lillia. These types like the Pompons, are hardy enough in our section, with a little protection of dry leaves or litter. The better way to handle them, though, is to lift a few roots and carry them through the winter either in a greenhouse, or cold frame, then propagate young plants every spring. One reason many people do not have the success they should have with Pompons, is because they imagine that once a

plant is set out it is good indefinitely. This is only half true. The plant will live, but experience teaches any grower that the best way to handle these varieties is to plant out young stock every spring in new soil and they will make better plants and give far more flowers than by being allowed to remain year after year in the same position. I may also state that I am trying to bring before the public once more, the incurved varieties. They seemed to have dropped into oblivion the past six or eight years. Previous to that I have seen special classes arranged at the shows and every gardener took as much interest in his incurved varieties as he did in his large-flowering ones, and with this idea in

mind I have listed this year several good and tried varieties including Chas. Blick, Chas. Pacque, Frank Triston, G. W. Matthews and Mathew Russel, also several others. There are many other varieties of Anemones, large Anemone Pompons and new Japanese Anemone Pompons that I am at present experimenting with to find out their true worth.

In conclusion, there is nothing but a cheerful prospect in view for the chrysanthemum. The number of plants sold each year by the different houses catering to this specialty is something wonderful and so long as we can keep introducing new and meritorious varieties, so long will interest be maintained and everyone benefited.

CONVENTION NEWS

Will be a leading feature in each issue of Horticulture all through August. Thousands of interested gardeners and florists will read it. If you have anything seasonable to offer **ADVERTISE IT NOW** and catch the cream of the trade.

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500 each **Brides, Maids, Richmond, Chatenay, Ivory, Queen Beatrice, Bon Silene, Pink Killarney and Golden Gate**, 4 in. at \$8.00 per hundred.

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200 each **Chatenay, Ivory, Golden Gate and Uncle John**, \$15.00 per hundred, 3 in. stock.

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Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens.

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Seed Trade

Cable reports from England would indicate that sweet pea seed crops there will only be about one-third of an average.

Michigan has been favored with rain, which happy occurrence ought to make the pea and bean growers dance and clap their hands with joy.

San Jose, Cal.—Chas. Schlessinger of San Francisco has purchased the 650-acre seed farm of the Braslan Seed Growers' Co. on Downer avenue.

W. Atlee Burpee, who has been attending the sweet pea show in England will visit the cultures of Hjalmar Hartmann & Co., Copenhagen, with his son, by the end of July.

Phoenix, Ariz.—A new firm, the Arizona Seed Co., has located at 137 No. Central avenue. Wm. S. Humbert, proprietor of the John Orme ranch, is president and Marshall Humphrey is manager.

W. Atlee Burpee reports from London, England, that the exhibition of the National Sweet Pea Society was a great success. A remarkable feature of same was the evident passing of the grandiflora type into oblivion—as not more than twelve or fifteen of these were shown. Everything Spencer.

Hugh Dickson comes out strongly against the practice which seems to have crept into the British trade of having several names for the same thing in sweet peas. This no doubt is accidental in some cases; and may be genuine duplicate sports in others; but at any event the result is confusion—and the list ought to be reduced.

There is lots of talk about the Copenhagen market cabbage of late. One authority claims it is the earliest flat head in existence. It also has superior quality; trims up well, and gives very little waste. R. L. Watts of State College, Pa., is an enthusiast, and we shall have a report from him on the subject later.

Green Bay, Wis.—An addition, 60 x 100 feet, three stories and basement, is to be built by the Everett B. Clark Seed Co. The building is to be of brick and will have another seed cleaner as well as an Otis elevator installed in it. It will provide additional storage room as well as additional equipment to accommodate 95 more hand pickers. At Milford, Conn., they are putting up a brick warehouse, 38 x 62 feet, three stories and basement.

Salina, Kan.—The shortage of crops in the West has caused such a drain on the cane, kaffir corn and millet seed markets in Salina as to empty them completely. As a result, it is said, it is simply impossible to buy the seed here now. Cane, millet and kaffir corn are the late crops and the farmers of western Kansas, spurred to hope by the rains that came too late to save their wheat, are planting large acreages of the feed crops. Shipment after shipment of the seed has gone West on the Union Pacific and Missouri Pacific main lines, and up the Plainville branch. Whether this shortage will work a hardship or not is not known. A number of people in this vicinity have contemplated plowing up patches of potatoes because of the failure of the crop and putting it in cane or millet, and it may be that they can not obtain the seed.—*Topeka Journal*.

CATALOGUES RECEIVED.

Robert Nicholson, Dallas, Tex.—Wholesale Quotations on Field Seeds.

Bertrand H. Farr, Reading, Pa.—Quality Bulbs and Plant Specialties. This is a vest pocket list, artistic cover design and excellent make-up throughout.

Advance Company, Richmond, Ind.—Illustrated descriptive list of the Advance Ventilating Apparatus and Greenhouse Fittings. A useful "Dimension Card" for top ventilation estimates is enclosed.

Hosea Waterer, Philadelphia, Pa.—1911 Bulb Catalogue. Printed on heavy coated paper and bound in dark grey covers, gold lettered, this catalogue will make a most excellent impression. It is quite comprehensive and illustrations show up well.

M. Herb, Naples, Italy.—General Catalogue of Bulbs and of Seeds for Autumn Sowing. This catalogue of sterling goods is printed, as heretofore, in English, French and German. A number of interesting seed novelties are illustrated.

Peter Henderson & Co., New York, N. Y.—1911 Midsummer Catalogue. Fresh and inspiring as ever. "New Fall Fruiting Strawberry Americus" in natural colors, makes a pretty and appropriate illustration for the front cover page. The back cover page shows half a dozen of the best strawberries for succession fruiting.

J. M. Thorburn & Co., New York City.—Wholesale Trade Price List of High-class Bulbs for Forcing and Outdoor Planting. Everybody knows Thorburn's and this reminder that they have issued a wholesale bulb list

is almost superfluous. All the good sorts are listed, of course, and the prices are "bedrock." A list of pansies and other reasonable seeds is appended.

R. M. Ward & Co., New York.—"Bulb Talks." This little art pamphlet is not exactly a catalogue, although it quotes price on the militant "Horseshoe Brand" bulbs and roots and other products. It is a compendium of philosophy and unanswerable logic which we think Benjamin Franklin would have been proud to father. A streak of humor runs through it all and when you start to read it you'll stay till the finish if you're a thoroughbred. Send to 12 West Broadway, New York for a copy.

Stark Bros'. Nurseries and Orchards Company, Louisiana, Mo.—"The Stark Year Book." This is without doubt the most elaborate publication in its class in this country. There are thirty-one superb full-page fruit and flower pictures in natural colors on heavy coated paper, and the typographical work, throughout, is very fine. While this is a complete descriptive catalogue, yet it is unique in that prices are not quoted on anything. It presents in condensed form much that is valuable for the guidance of the grower of fruit or ornamental stock.



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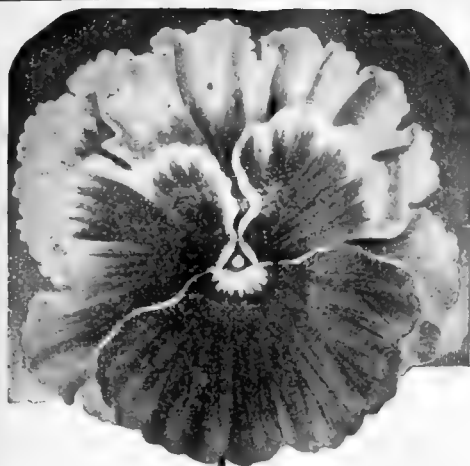
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The "Distinctive" Florist Pansy

Gigantic in size, robust in texture, beautiful in form and gorgeous in coloring, are only a few of the descriptions we can give in this limited space.

Spring City, Pa.
The Giant Exhibition Pansies, seed of which I purchased of you last Fall, are now in bloom. I wish you could see them. The flowers are of the largest size and finest colors. I have grown Pansies for the last twenty years and thought I had the best, but I must say yours take the cake; they must be seen to be appreciated.
A. S. C.

30c per 1/2 trade pkt.; 50c per trade pkt.; 75c per 1/8 oz.; \$5.00 per oz.

WE CAN FURNISH ALSO ALL OTHER STRAINS OF PANSIES

Write for our Wholesale July Catalogue, just out.

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We will make it for you under your own brand for
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Send to-day for sample 100 lb. bag, \$1.00. Mr. C. E. Jensen of Atlantic Co., N. J., on Oct. 27, 1910, writes as follows: — I want to state that your three grades of Poultry Food; Chick Starter, Developing Food and "Square Deal" Scratch or Poultry Food, stand without an equal to day. They are perfect mixtures and sound in grain and a pleasure to handle.

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1,000 seeds	\$2.50.
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10,000 seeds and up @	2.00 per 1000
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Cold Storage Lily of the Valley Pips

HIGHEST GRADE

Cases of 1000 pips @	\$13.00 per case
Cases of 3000 pips @	36.00 per case

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Of Interest to Retail Florists

Alton, Ill.—The Alton Floral Co. is
now at Second and Alby streets.

St. Louis, Mo.—Tower, Florist, has
taken a new location at 2024 East
Grand avenue.

Pueblo, Colo.—J. O. Zimmermann,
105 East Abriendo avenue, is succeed-
ed by D. M. McMurray.

Princeton, Ill.—The store of W. E.
Trimble Greenhouse Co., on South
Main street has been closed for the
season.

East St. Louis, Ill.—The flower store
of Ammann & Johann has been pur-
chased by Maurice F. Widener of
Highland, Ill.

Detroit, Mich.—The flower store of
R. O. Kohler has been purchased by
Tony Schmidt, formerly employed at
Breitmeyer's greenhouses.

STEAMER DEPARTURES

Allan.	
Parisian, Boston-Glasgow.....	Aug. 4
American.	
Philadelphia, N. Y.-Shampton.....	Aug. 5
Anchor.	
California, N. Y.-Glasgow.....	Aug. 5
Atlantic Transport.	
Minneapolis, N. Y.-London.....	Aug. 5
Cunard.	
Mauretania, N. Y.-Liverpool.....	Aug. 2
Carpathia, N. Y.-Mediterranean.....	Aug. 3
Hamburg-American.	
K. Aug. Vria, N. Y.-Hamburg.....	Aug. 3
HOLLAND-AMERICA.	
Rotterdam, N. Y.-Rotterdam.....	Aug. 8
North German Lloyd.	
Kronpr. Wilhelm, N. Y.-Hamburg.....	Aug. 1
Berlin, N. Y.-Bremen.....	Aug. 3
K. Wilhelm II, N. Y.-Bremen.....	Aug. 8
Red Star.	
Kronland, N. Y.-Antwerp.....	Aug. 5
White Star.	
Celtic, N. Y.-Liverpool.....	Aug. 5
Majestic, N. Y.-Southampton.....	Aug. 2
Cymric, Boston-Liverpool.....	Aug. 1

Seattle, Wash.—Edward Thomas,
florist, 1813½ Seventh avenue, was
held up and robbed by a pair of high-
waymen the night of July 11. They
stepped from the shadow of a porch
and at the point of revolvers searched
his pockets. When released he im-
mediately notified the police but the
bandits could not be found.

Boston, Mass.—The Rosary, 214
Clarendon street, J. J. Casey, prop-
rietor, will move on September first to
549 Boylston street. The new store
faces Copley Square near the Library,
Trinity Church and several large fash-
ionable hotels and should prove an
exceptionably favorable location. A
new front to cost \$1,000 is being con-
structed and this, with interior altera-
tions and improvements, will make it
one of the finest stores in this section
of the city.

Amoy, China—The Pacific Mail
Steamer on July 15 took as part of her
cargo 230 tons of narcissus bulbs for
the American market. This is the
first shipment of its kind from this
port, it is said.

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JACOB SCHULZ.

550 South Fourth Ave.

IN MID-SUMMER

Yes, it is now mid-summer. For a few weeks to come you will have to be wide-awake to catch the little chunks of business that occasionally materialize in this low-tide period.

LET US HELP YOU

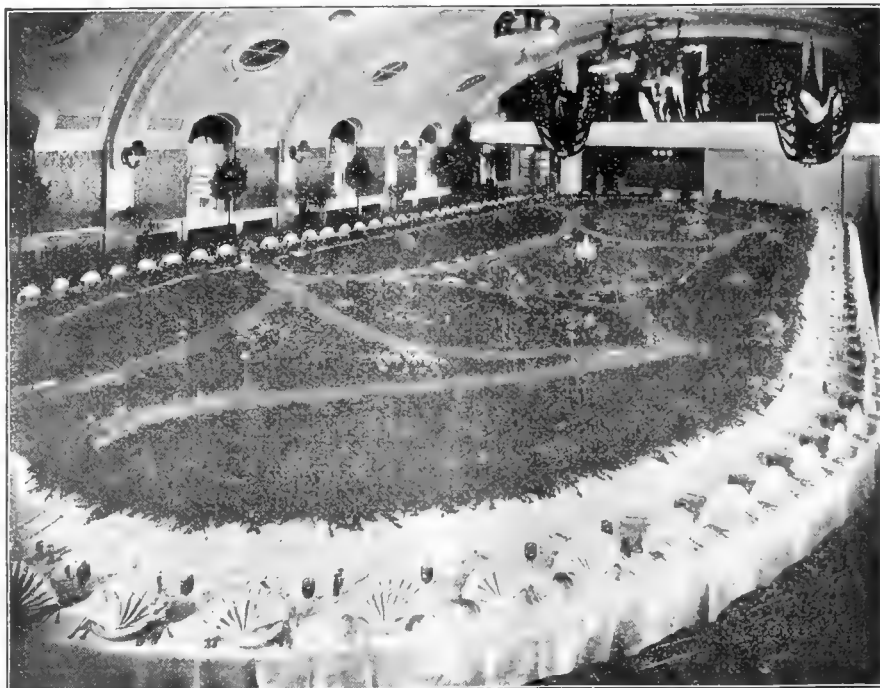
Whether mid-summer or any other season we are always "on our job" and can give you more and better goods than you can get for your money anywhere else. Our H. Bayersdorfer's novelty purchases in Europe this summer are beginning to arrive. "Are you on?" Write us a line and we'll send you a list. At same time try a few of our Preserved Natural Ferns, Magnolia and Cycas Leaves, etc. They never wilt. Once tried always wanted.

H. BAYERSDORFER & CO., 1129 ARCH STREET, PHILADELPHIA, PA.

A DETROIT BANQUET DECORATION.

The accompanying illustration shows a most unusual treatment of a large banquet table which will no doubt interest those of our readers who are called upon from time to time for work of this character. In reply to our inquiry as to details of the design and its execution, Albert Pocheion, of the L. Bemis Floral Co., who carried out the work, responded as follows:

The table for this banquet was set for 112 plates in an oval shape through the convention hall of our largest hotel. The question came up how to decorate the inside space of same, which was 24x65, or 1562 square feet. I suggested to lay out a miniature park sloping in from the inside table edge 2 ft. 8 in. down to the level of the floor, using an electric fountain with 109 sprays of water. This fountain was set in an oval pond 6x10 ft. and 8 in. high filled with all kinds of white and colored water lilies and plants. Around this pond was a saucer shaped cut mobile race track with six small automobiles running around at two different speeds, it being so figured out that every eight minutes these six cars would pair off and run around in three pairs then would pull away from each other again. The fountain was illuminated with six bullseye electric lamps thoroughly insulated to prevent short circuit or blowing out fuses. The rest was laid out in a park with all roads leading either to an entrance



Hatcher

Estab. 1877

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Your orders for flower or plant delivery in Eastern New England to

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1 Park St., Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall
Schools. **TALBY, Wellesley, Mass.**
Tel. Wellesley 44-1 and 2. Night 44-3

(archway) from the table or to the race track. Throughout the park were regular street lamps with electric lights in same.

The lawn was made of prepared green sheet moss, the flower beds were round, oval, diamond and square wire frames filled with moss and flowers. The shrubbery beds were in irregular shapes. The walks were sand, gravel and shells, the rocks corkbark. The whole park was enclosed with miniature boxwood hedge with arches and pyramid boxtrees for entrances. The rest of the hall was appropriately decorated.

While the photograph is very good still it does not give enough credit to the detail work of this job. All mechanical work as well as electrical work was operated from one switchboard near the speaker's place and at his will was turned off and on.

NEW FLOWER STORES.

Buffalo, N. Y.—Robert C. Avery, West Seneca.

Westerly, R. I.—Victor Schoboe, Watch Hill Hotel.

Chicago, Ill.—O. J. Friedman, 63 West Congress street, to be known as the Western Floral Co.

Philadelphia, Pa.—By raising the skylight to the level of the roof, H. Bayersdorfer & Co. have been able to add considerably to their floor space. This will give them added facilities for the display of stock.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Amsterdam, N. Y.—Hatcher.

Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edw. MacMulkin, 194 Boylston St.

Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.

Buffalo, N. Y.—Palmer's 304 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.

Dayton, O.—Matthews, The Florist.
Denver, Col.—Park Floral Co., 1643 B'way.

Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.

Kansas City, Mo.—Samuel Murray, 912 Grand Ave.

Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.

Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.

New York—David Clarke's Sons, 2139-2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.
New York—W. H. Long, 412 Columbus Av.

New York—Young & Nugent, 42 W. 28th.
New York—Dards, N. E. cor. 44th St. and Madison Ave.

St. Paul, Minn.—Holm & Olson.

Toronto, Can.—J. H. Dunlop, 96 Yonge St.

Washington, D. C.—Gude Bros., 1214 F St.

Wellesley, Mass.—Talby.

DAGGER FERNS

Extra Good Quality, \$1.50 per 1000
Good Stock, Smaller, \$1.00 per 1000

These Ferns are the best we ever handled during the summer. We can quote you a special price in case lots.

Our list of FIELD GROWN CARNATION PLANTS is ready now. We will mail it to you for the asking.

The Leo Niessen Co.

1206 Arch Street, - PHILADELPHIA, PA.

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want a regular or special supply of the product of the best growers

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AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
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Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	BOSTON July 27	CHICAGO July 25	ST. LOUIS July 25	PHILA. July 25
Ara. Beauty, Fancy and Special..	15.00 to 25.00	20.00 to 25.00	20.00 to 25.00	25.00 to 30.00
" Extra	12.00 to 15.00	15.00 to 20.00	15.00 to 18.00	15.00 to 20.00
" No. 1	8.00 to 10.00	10.00 to 12.00	8.00 to 10.00	8.00 to 12.00
" Lower grades	2.00 to 4.00	6.00 to 8.00	3.00 to 6.00	4.00 to 6.00
Richmond Chateaux, Fancy & Spl..	4.00 to 6.00	6.00 to 10.00	6.00 to 8.00	3.00 to 4.00
" Lower grades	1.00 to 2.00	3.00 to 5.00	3.00 to 4.00	1.00 to 2.00
Killarney, Maryland, Fan. & Spl..	4.00 to 6.00	6.00 to 10.00	6.00 to 8.00	4.00 to 6.00
" Low grades	1.00 to 2.00	3.00 to 5.00	3.00 to 4.00	1.00 to 2.00
Ridge, 'Mad'	1.00 to 4.00	3.00 to 8.00	5.00 to 6.00	2.00 to 6.00
Kaiserin, Carnot	3.00 to 6.00	5.00 to 8.00	5.00 to 6.00	2.00 to 8.00
CARNATIONS, First Quality..	1.00 to 1.50	2.00 to 2.50	2.00 to 3.00	2.00 to 2.50
Ordinary .....	.50 to .75	1.00 to 1.50	.75 to 1.00	1.00 to 1.50
MISCELLANEOUS				
Cattleyas	40.00 to 50.00	30.00 to 50.00	10.00 to 12.50	10.00 to 12.50
Lilies, Longiflorum	6.00 to 8.00	5.00 to 8.00	4.00 to 6.00	4.00 to 6.00
Lily of the Valley	2.00 to 4.00	2.00 to 4.00	3.00 to 5.00	4.00 to 6.00
Gladioli	3.00 to 5.00	3.00 to 10.00	5.00 to 8.00	4.00 to 6.00
Stocks	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Asters	2.00 to 3.00	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Daisies	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Snapdragon	2.00 to 3.00	1.00 to 1.50	1.50 to 2.00	1.00 to 1.50
Sweet Peas .....	.25 to .50	.50 to 1.00	1.00 to 1.50	.50 to .75
Gardenias	1.00 to 1.25	1.00 to 1.25	1.00 to 1.25	1.00 to 1.50
Adiantum	1.00 to 1.25	1.00 to 1.25	1.00 to 1.25	1.00 to 1.50
Smilax	12.00 to 15.00	15.00 to 18.00	12.50 to 15.00	12.50 to 15.00
Asparagus Plumosus, strings (100)	50.00 to 60.00	50.00 to 60.00	35.00 to 50.00	35.00 to 50.00
" & Spreng. (100 bchs)	40.00 to 50.00	25.00 to 40.00	18.00 to 25.00	35.00 to 50.00

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New crop Dagger and Fancy Ferns, \$1.75 per 1000. Green and Bronze Galax, 90c. per 1000; by the case, \$7.50. Boxwood, 50-lb cwt., \$7.50; by the lb., 25c. Laurel Wreaths, 10-inch, \$1.75 per doz.; 12-inch, \$2.25 per doz.; 14-inch, \$3.00 per doz.; 16-inch, \$4.50 per doz. Laurel Trimming, 4 and 5c. per yd.

Obituary.

David Kalisher.

David Kalisher, representative for Lion & Co., ribbon specialists of New York, died suddenly on July 11. He was well known through the central west. A widow survives him.

Philip Koch.

Philip Koch, for many years associated with his father in the flower business on Liberty avenue, Pittsburg, Pa., died at his home, 146 Carver street, recently. He was thirty-eight years of age.

Flower Market Reports.

BOSTON A few cool nights this week have had the effect of shortening up the supply, but not much influence yet in improving the quality of stock coming in. Roses are from young plants mostly and the buds and stems are of the pee-wee order. Beauty roses are in fair demand and normal supply. Carnations are very poor—hardly worth making mention of them. Asters are on the increase. The quality is not bad considering the conditions, and the blooms, although small, show that they are mostly of the better types and not the little runts that in years past composed most of the early shipments. Lily of the valley is in light demand but some of it is superb in all respects and well worthy of the top price. Lilies of good quality are in fair supply and excellent demand. Gardenias are again in sight and will be obtainable regularly throughout the balance of the season.

There is practically no **BUFFALO** change in the market conditions from previous weeks, stock a little on the scarce side, and at times certain material hard to get. Asters and gladioli are just coming on, but no large quantities have had as yet. The demand has been good on roses though Beauties have not moved as fast as wished for. Killarney and other roses have been fairly good, and sold very satisfactorily. There are fine lilies in the market, also lily of the valley, but the latter are not overplentiful. Corn flowers and a few other garden flowers, are about the only thing received, and have sold very well.

Conditions have not changed in the **CHICAGO** cut flower market during the past week except possibly in degree. The scarcity of good stock at this season is not unusual but it is more scarce than in other years. The temperature has taken a decided drop, and for the past two weeks stock along all lines has been greatly invigorated but no increase in quantity. This is especially noticeable in roses and some very fair summer stock is now on the counters. The general tendency is to dispose of all stock each day; only a small amount, if any, is left over. Shipping trade is very lively showing the scarcity of flowers to be general. Asters are coming in this week much more freely, and many of them are good for the first of the season. Stems are now reaching from eighteen to twenty inches. Prospects are for a good gladiolus season. The market has this flower in all sizes and colors. Beauties are gaining each week. Lilies of several kinds; lily of the valley, gypsophila and a few sweet peas all tend to help out the summer supply.

Summer flowers seem to be taking their own sweet time about coming into the market this season. Where other summers at this time the supply of asters and gladioli was easily adequate or more than adequate, this year they are just beginning to arrive in any quantity at all. On Tuesday of this week the first large shipments of asters came in. The prices on all stock is holding up in a way that must be most gratifying to the growers. Roses are now too plentiful and clean



ASTERS

For the early varieties, good sized flowers with long stems, splendid quality; pinks, purples and whites. Orders of any size can be taken care of on short notice, our growers cutting in large quantities, which reach us daily about 8 a. m.

\$1.00 to \$2.00 per hundred
Extra choice \$3.00 per hundred

NOTE:

This has been a trying season for Asters. Our growers have been particularly fortunate, and our qualities are therefor, above the average. The best values going! We take no credit for this. It is Fate.

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WHOLESALE FLOWER MARKETS.—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	CINCINNATI July 25	DETROIT July 18	BUFFALO July 25	PITTSBURG July 25
Am. Beauty, Fan. and Sp.	25.00 to 35.00	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00
“ Extra	15.00 to 20.00	15.00 to 20.00	10.00 to 12.00	12.00 to 15.00
“ No. 1	10.00 to 12.00	12.00 to 15.00	6.00 to 8.00	6.00 to 10.00
“ Lower grades	8.00 to 10.00	4.00 to 10.00	2.00 to 4.00	3.00 to 4.00
Richmond, Chatsenay, Fan. & Spl.	5.00 to 8.00	4.00 to 6.00	5.00 to 6.00	0.00 to 8.00
“ Lower Grades	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00	3.00 to 4.00
Killarney, Maryland, Fan. & Spl.	5.00 to 6.00	4.00 to 6.00	5.00 to 6.00	6.00 to 8.00
“ Low Grades	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00	3.00 to 4.00
Bride, 'Maid,	3.00 to 6.00	to	2.00 to 5.00	to
Kaiserin, Carnot,	3.00 to 8.00	3.00 to 6.00	3.00 to 6.00	3.00 to 8.00
CARNATIONS, First Quality	3.00 to 8.00	1.50 to 2.00	1.50 to 2.00	to 1.50
“ Ordinary	1.50 to 2.00	1.00 to 1.50	1.00 to 1.50	to 1.00
MISCELLANEOUS				
Cattleyas	to	to	to	50.00 to 60.00
Lilies, Longiflorum	10.00 to 12.50	12.50 to 15.00	8.00 to 10.00	8.00 to 12.00
Lily of the Valley	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00
Gladioli	4.00 to 8.00	3.00 to 6.00	3.00 to 6.00	4.00 to 6.00
Stocks	to	to	to	to
Asters	to	to	to	to
Daisies	to	to	to	to
Snapdragon	to	2.00 to 4.00	2.00 to 3.00	to
Sweet Peas	to . . . . .	.50 to 1.00	.20 to .30	.35 to .75
Gardenias	to	to	to	to
Adiantum	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.25
Smilax	12.50 to 15.00	to	8.00 to 10.00	12.50 to 15.00
Asparagus Plumosus, strings (100)	25.00 to 50.00	25.00 to 40.00	40.00 to 50.00	30.00 to 40.00
“ & Spreng. (100 bchs.)	to 25.00	25.00 to 40.00	25.00 to 40.00	30.00 to 40.00

up very readily. Longiflorum lilies, auratum and rubrum sell well and are always offered in more or less quantity. Considerable feverfew and hardy hydrangeas are also being utilized. As a whole the market is far short of the amount of cut flowers it might use at the time of the present writing. The green goods market is ample.

Conditions here are absolutely unchanged. The rain which appeared a week ago was of too short a duration to be of any account, still we had a nice cool week which was somewhat refreshing to out-of-door crops. The present high wind is annulling the benefits of several heavy showers. Sev-

(Continued on page 147)

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NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending July 22 1911		First Half of Week beginning July 24 1911	
American Beauty, Fancy and Special.....	8.00	to 20.00	10.00	to 20.00
" " Extra.....	5.00	to 6.00	5.00	to 8.00
" " No. 1.....	4.00	to 5.00	4.00	to 5.00
" " Lower Grades.....	1.00	to 3.00	1.00	to 3.00
Richmond, Chateaux, Extra and Special.....	2.00	to 4.00	2.00	to 4.00
" " Lower Grades.....	.50	to 1.00	.50	to 1.00
Killarney, My Maryland, Extra and Special.....	1.50	to 3.00	2.00	to 5.00
" " Lower Grades.....	.50	to 1.00	.50	to 1.00
Bride, Field.....	.50	to 4.00	.50	to 4.00
Kaiserin, Carnot.....	.50	to 5.00	.50	to 5.00
Carnations, First Quality.....	1.00	to 1.50	1.00	to 1.50
" " Ordinary.....	.25	to .50	.50	to .75

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Shipments, any quantity, Wholesale Market Rates.

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Simple methods of correct accounting
especially adapted for florists' use.
Books Balanced and Adjusted
Merchants Bank Building
28 STATE ST. - - - BOSTON
Telephone, Main 58.



Flower Market Reports

(Continued from page 145)

eral interviews with wholesale growers confirm the writer's previous prophesy that next winter will see a greater scarcity in carnations than last winter. The plants being housed now are, as a rule, much smaller in the crown than a year ago and we all know what this means. Those who had a perfect watering system in their fields lost most of its good through the extreme heat.

Business shows little

NEW YORK change from last week—a decrease, if

anything. On the other hand the supply of roses is probably at its minimum. Carnations are out of the running, but aster shipments are steadily increasing. The quality of these is ordinary, for the most part, though some good flowers are seen. Queen of the Market is the prevailing variety. Lilies are more plentiful, a better supply being in prospect. Gladioli are not showing up well; there are more poor flowers than good ones. The lily of the valley situation is easier as there seems to be a halt in the demand. Quotations on orchids remain unchanged. There is little call for smilax or asparagus.

Considering that

PHILADELPHIA this is the good old summer time

last week's business was fully equal to, if not above, the average of former years, and the prices realized for the stock received were in the main as good as could have been expected, if not better. Asters and gladioli are now leading features in the market. Both items meet with a ready sale. Our opinion is that asters as a rule do not compare favorably with last year, as yet, the dry weather early in the season having given the extra-earlies a great set back. There is, however, one of our markets a conspicuous exception to this, for some reason. There they are very good, but no particulars are forthcoming to account for the phenomenon. Climatic condition; irrigation; or something—perhaps. But in a week or so we shall have the finer mid-season varieties, and then the outlook will be for "some class" in the aster market. Gladioli are fine and selling well. There is not much to be said for the rose market. Beauties sold up pretty well and they may be said to be about the only variety that makes anything like a show for the money. Marylands are the best sellers among the pinks. Brides have come back very nicely and are now something worth looking at. Carnations are on

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A First Class Market for all CUT FLOWERS

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NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending July 22 1911		First Half of Week beginning July 24 1911	
Cattleyas.....	20.00	to 50.00	20.00	to 50.00
Lilies, Longiflorum.....	2.00	to 4.00	3.00	to 5.00
Lily of the Valley.....	1.00	to 2.00	1.00	to 4.00
Gladioli.....	2.00	to 3.00	2.00	to 3.00
Stocks.....	.50	to .75	.50	to .75
Daisies.....	.10	to .25	.10	to .25
Snapeadragon.....	1.00	to 2.00	1.00	to 2.00
Asters.....	.75	to 1.50	1.00	to 1.00
Sweet Peas (per 100 bunches).....	1.00	to 4.00	1.00	to 3.00
Gardenias.....	15.00	to 20.00	15.00	to 20.00
Adiantum.....	.50	to .75	.50	to .75
Smilax.....	5.00	to 8.00	4.00	to 8.00
Asparagus Plumosus, strings.....	.....	to 35.00	.....	to 35.00
" " & Sprea. (100 bchs).....	10.00	to 20.00	10.00	to 15.00

their last legs. Orchids and lily of the valley both good. Enough for the demand. Tiger lilies, also speciosum rubrum and album are welcome new arrivals. Longiflorums are in excellent demand and prices have jumped quite a little. Too many plumosus, adiantum and other greens around—as is usual at this time of year.

ST. LOUIS

The market was anything but good all of last week. Stock that is coming in now is not good but still the wholesalers are asking good prices. The best sellers are gladioli and it looks as though the market will be crowded with all varieties before the end of the week. Carnations are very few and poor. Everything else is plentiful except smilax, for which there was an extra good demand all of last week. The weather is still warm and the dry spell is playing havoc with all plants in the fields.

WASHINGTON

Business is decidedly dull. The slackness of trade is being utilized to redress show windows and do other things which are neglected during the busy season. At Gude's floral store a very attractive rockwork fountain has been constructed in the center of the store, with an arrangement which permits of throwing on colored lights from beneath the fountain. This electric fountain will be a feature of the establishment for some months at least. Stock is scarce and prices but indifferent. All outdoor stuff has suffered from the hot, dry weather, and although there have been showers recently, it is doubted whether they have come in time to do much good.

PUBLICATIONS RECEIVED.

Maryland State Horticultural Society. Report of Summer Meeting held in Berlin, Md., July 29, 1910, and Thirtieth Annual Meeting held in Fifth Regiment Armory, Baltimore, December 1-2, 1910. This report starts off

with a portrait of R. Vincent, Jr., president for 1910, and there are several full page illustrations of exhibits, etc. Secretary T. B. Symons has given us a very instructive and readable volume and from it we are convinced that the Maryland State Society is doing a good and practical work.

City of Boston; Department of Parks. 36th Annual Report of the Board of Commissioners for the year ending January 31, 1911. The contents of this volume are, as usual, interesting. The general report of the Commissioners to the Mayor of Boston is the first chapter and then follows the report of Superintendent Pettigrew to the Commissioners. Details of location, area and equipment of parks and playgrounds, expenditures, income, betterments, statistics, etc., are given and then comes the report of Olmsted Brothers, a comprehensive document occupying 54 out of the 95 pages comprised in the volume, recounting the deductions from an inspection of the Boston parks and submitting comments and suggestions on matters of design connected therewith.

Superintendent Pettigrew's report is mainly statistical but it describes with characteristic enthusiasm the establishment of a herbaceous or "Grand-mother's" garden in Franklin Park last year and a picture of this feature is inserted. Three elaborate plans of the proposed zoological gardens are bound in the book.

National Chrysanthemum Society (England), schedule of prizes, list of members, etc., for 1911, including also the annual report and financial statement for 1910.

This Society has published an interesting book on the Culture and Exhibition of Large Chrysanthemum Blooms, report of the proceedings at a conference held on December 5, 1910, etc. A portrait of Sir Albert Kaye Rollit, President of the Society, appears as a frontispiece.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

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ASPARAGUS

A. Leuthy & Co., Roslindale, Mass.
Asparagus Plumosus Nanus.
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A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Asparagus Sprengerii, large 4-inch, \$1.50 per doz., \$10.00 per 100. Edw. Doege, 4344 N. Springfield Ave., Chicago, Ill.

Asparagus plumosus nanus seedlings,
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Asparagus Sprengerii, 2½-in. pots, \$1.75 per 100; \$15.00 per 1000. Cash. W. Livesey, 6 McCabe St., New Bedford, Mass.

ASTER SEED

Elmer D. Smith, Adrian, Mich.
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AZALEAS

P. Ouwerkerk, Hoboken, N. J.
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A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.

Loechner & Co., New York, N. Y.
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BAY TREES

A. Leuthy & Co., Roslindale, Mass.
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Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Bay Trees and Box Trees, all sizes
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Bay trees, heads 24 in. through, \$12.00 a pair; heads 28 in. through, \$14.00 a pair; 32 in. heads, \$16.00 a pair; larger plants, \$18.00, \$25.00 and \$28.00 a pair. Pyramids, 50 in. high from tub, \$10.00 a pair; 75 in. high, \$18.00 and \$20.00 a pair. A. Schultheis, College Point, Queensborough, N. Y.

BEGONIAS

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.

Skidelsky & Irwin Co., Philadelphia, Pa.
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Thomas Roland, Nahant, Mass.
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Begonia Lorraine 2½-inch pots,
\$12.00 per 100 \$50.00 per 500
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Julius Roehrs Co., - - Rutherford, N. J.

BOILERS

Kroeschell Bros. Co., 466 Erie St., Chicago.
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BOUVARDIAS

15,000 Bouvardias (single). Good strong 2¼ in. pink, white and a few red, \$2.50 per 100; \$22.50 per 1000. Cash please. Morel Bros., 622 E. Market St., Scranton, Pa.

BOXWOOD

Boxwood for window boxes, \$20.00, \$25.00, \$30.00, \$40.00, per 100. Pyramids in tubs, very fine, \$3.00, \$4.00, \$5.00, \$6.00 a pair. A. Schultheis, College Point, Queensborough, N. Y.

BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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A. Leuthy & Co., Roslindale, Mass.
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Julius Roehrs Co., Rutherford, N. J.
Box Trees all sizes. Ask for special list.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.
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John Lewis Childs, Flowerfield, L. I.
Spring Bulbs.
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The W. W. Barnard Co., Chicago, Ill.
Import Bulb List.
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Fottler, Flske, Rawson Co., Boston, Mass.
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E. S. Miller, Wading River, N. Y.
Bulbs and Roots for Fall Planting.
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CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CHRYSANTHEMUMS

Wood Bros., Fishkill, N. Y.
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Elmer D. Smith, Adrian, Mich.
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Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Chrysanthemums, rooted cuttings, Monrovia, Polly Rose, \$12.00 per 100. Vinca Var., 4 in. pots, fine full plants, \$12.00 per 100. Ivy, English, 4 in., \$12.00 per 100. Chas. Lenker, Freeport, L. I., N. Y.

Chrysanthemum, rooted cuttings, R. Halliday, Amorita, Ivory, Yellow Jones, Minnie Bailey, Y. Bonaffon, Rosiere, Polly Rose, \$10.00 per 1000. Cash please. Hilpert & Hammen, 313 Belair Road, Baltimore, Md.

CHRYSANTHEMUMS—Continued

Chrysanthemums. Rooted cuttings, 80 J. Nonin, 60 Yellow Bonaffon, 100 W. Bonaffon, 75 Shaw, 75 G. Pacific, 50 Pacific Supreme, 100 Kalb, 25 Dr. Enguehard, 45 Appleton, 50 Mrs. J. Jones, 100 Halliday, 60 M. Touset, \$1.50 per 100.
2½ in. pots, 15 G. Pacific, 10 Shaw, 30 Mrs. J. Jones, 40 Yellow Jones, 35 Halliday, 65 M. Touset, 35 Yellow Bonaffon, \$2.00 per 100, or \$15.00 for the lot. Cash. Chas. H. Green, Spencer, Mass.

CARNATIONS

F. Dörner & Sons Co., Lafayette, Ind.
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Chicago Carnation Co., Joliet, Ill.
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S. S. Pennock-Meehan Co., Phila., Pa.
Field-Grown Carnation Plants.

I. M. Rayner, Greenpoint, N. Y.
Field Carnations.

FIELD-GROWN CARNATION PLANTS,

	100	1000
Light Pink Enchantress.....	\$6.00	\$60.00
Rose-Pink Enchantress.....	6.00	60.00
Lawson-Enchantress.....	6.00	60.00
White Enchantress.....	7.00	65.00
White Perfection.....	6.00	60.00
Sangamo.....	8.00	75.00
Alvina.....	7.00	65.00
Dorothy Gordon.....	8.00	75.00
May Day.....	7.00	65.00
Pink Delight.....	7.00	65.00
Victoria.....	6.00	60.00
Georgia.....	6.00	60.00
Afterglow.....	6.00	60.00
Winsor.....	6.00	60.00
Beacon.....	6.00	60.00
Victory.....	6.00	60.00
Harlowarden.....	6.00	55.00
Patten.....	6.00	60.00
B. Market.....	6.00	55.00
Queen.....	6.00	55.00
Lady Bountiful.....	6.00	60.00

All of the above plants are in fine condition, clean, thrifty and vigorous, guaranteed in every way. Stock ready for shipment July 10. Cash with order.

HOWARD P. KLEINHANS.

66 Centre Square, Easton, Pa.

CINERARIAS

Cinerarias, best strain dwarf, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

COBAEAS

500 Cobaea Scandens, 4 in., \$4.00 per 100, purple. Or will exchange for Bostons. Fischer Bros., 614 Dempster St., Evanston, Ill.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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COLEUS

R. Vincent, Jr. & Sons Co., White Marsh, Md.
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CUT FLOWER BOXES

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

CYCLAMENS

Cyclamen—Best varieties in different colors, 3 inch pots, strong plants, \$10.00 per 100, \$90.00 per 1000. Julius Roehrs Company, Rutherford, N. J.

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DAHLIAS

Herbert, Acto, N. J.

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R. Vincent, Jr. & Sons Co., White Marsh, Md.

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Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

Dahlias, divided roots, from 1 to 3 eyes to the piece. Send for list and get the latest varieties. W. P. LOTHROP, Brockton Dahlia Farm, E. Bridgewater, Mass.

DAHLIAS NEW FOR 1911.

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williamstown Junction, N. J., Post Office, Berlin, N. J.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.

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John Scott, Brooklyn, N. Y.

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DRACAENAS

Dracena indivisa, 3 feet high and over, 5½ and 6 to 6½ in. pots, in perfect condition, cheap to close out, \$25.00 per 100. A. Schultheis, College Point, Queensborough, N. Y.

EVERGREENS

New England Nurseries, Bedford, Mass.

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Frank Oechslein, 4911 Quincy Street, Chicago.

Ferns for Dishes.

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Robert Craig Co., Philadelphia, Pa.

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F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

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Bostons, extra large, 6-inch, \$6.00 per doz. Edw. Dooge, 4344 N. Springfield Ave., Chicago, Ill.

Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Shot Hills, N.J.

FERTILIZERS

20th Century Plant Food Co., Beverly, Mass.

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Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.

Wizard Brand Cattle Manure.

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Hardwood ashes, best fertilizer on earth for lawns and gardens. George Stevens, Peterborough, Ont., Canada.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.

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FLORISTS' LETTERS

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Reed & Keller, 122 W. 25th St., New York.

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H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

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Syracuse Pottery Co., Syracuse, N. Y.

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Peters & Reed Pottery Co., Zanesville, O.

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FOR-GET-ME-NOTS

For-Get-Me-Nots, Victoria and Royal Blue, nice large plants from seed bed, 50c. per 100; \$2.50 per 1000. M. B. Saunders Co., 25 Burnett St., Providence, R. I.

FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

FREESIAS.

Wm. Elliott & Sons, New York, N. Y.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

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Kervan Co., New York.

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H. M. Robinson & Co., 15 Province St.

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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.

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Geraniums, our selection, 4 in., \$7.00 per 100; 3 in., \$4.00 per 100; 2 in., \$2.00 per 100; \$18.50 per 1000. More than 100 varieties. Send for geranium catalogue. A. D. Root, Wooster, O.

GLASS

Boston Plate & Window Glass Co., Boston.

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Standard Plate Glass Co., 26-30 Sudbury St., Boston.

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Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.

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Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.

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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

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Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.

Peerless Glazing Point.

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GOLD FISH

Gold fish, aquarium plants, snails, castles, globes, aquarium, fish foods, nets, etc., wholesale. Franklin Barrett, breeder, 4815 D St., Philadelphia, Pa. Large breeding pairs for sale. Send for price lists.

GREENHOUSE BUILDING MATERIAL

A. T. Stearns Lumber Co., Neponset, Boston.

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King Construction Co., N. Tonawanda, N. Y.

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Lord & Burnham,

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Pierson U-Bar Co., Madison Ave., New York

Designer and Builder.

Wm. H. Lutton, Jersey City, N. J.

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King Channel Gutters.

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HAIL INSURANCE

Florists' Hall Asso. of America.

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The Kervan Co., New York

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J. Jansky, Boston, Mass.

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Bobbink & Atkins, Rutherford, N. J.

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H. A. Dreer, Philadelphia, Pa.

HOT-BED SASH

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Parshelsky Bros., Brooklyn, N. Y.

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Lord & Burnham Co., 1133 Broadway, N. Y.

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HYDRANGEAS

F. R. Pierson Co., Tarrytown-on-Hudson, New York.

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The true blue French Hydrangea from 5½ and 6 in. pots, sky blue, from 8 to 16 branches, \$9.00 per dozen. Best selected plants, \$12.00 per dozen. Cash please. A. Schultheis, College Point, Queensborough, N. Y.

In writing to Advertisers kindly mention Horticulture

INSECTICIDES

Hammond's Paint and Slug Shot Works.
Fishkill-on-Hudson, N. Y.
Hammond's Slug Shot.

Eastern Chemical Co., Boston, Mass.
Imp. Soap Spray.
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Nicotide kills all greenhouse pests.
P. R. Palethorpe Co., Owensboro, Ky.
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Stumpp & Walter Co., New York.
Kilmdead Tobacco Dust.
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To-Bak-Ine Products.
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Wilson Plant Oil and Fertilizer Co., New York, N. Y.
Wilson Plant Oil.
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Acme Nicotine Insecticides sold direct to the grower. Acme 45 per cent. Liquid, pint \$1.75; gallon \$12.50. Acme Fumigating Paper, case of 288 sheets \$5.50. Sample can of 24 sheets 60 cents, postpaid. J. P. Beermaker, 9 Washington Ave., St. Louis, Mo.

GYPSY MOTH CREOSOTE.

The original Gypsy Moth Creosote, made especially by us for the Gypsy Moth Commission. Limpid at all temperatures, completely penetrates the nest; kills all eggs. Samuel Cabot, Inc., Mfg. Chemists, Boston, Mass.

JAPANESE LILIES

Lochner & Co., New York, N. Y.
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KENTIAS.

Bobbink & Atkins, Rutherford, N. J.
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A. Leuthy & Co., Roslindale, Mass.
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Kentia Belmoreana from 2 1/4-in. pots, 3 leaves, \$6.00 per 100; \$55.00 per 1000. Cash or satisfactory references with order.
B. Soltau Fernery.
199 Grant Ave., Jersey City, N. J.

LANDSCAPE GARDENING COURSE.

Home Correspondence School, Springfield, Mass., Dept. 8.
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Hardy, Northern Grown Stock.
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McHutchison & Co., New York, N. Y.
Direct Importations.
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Lochner & Co., New York, N. Y.
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TREES, SHRUBS, ROSES, EVER-GREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00 by Horticulture Publishing Co., 11 Hamilton Place, Boston.

ONION SETS

Leonard Seed Co., Chicago, Ill.
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For Sale. Winter Onion Top Sets, select stock. A. S. Pett, Crawfordville, Ind.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
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Ordenez Bros., Madison, N. J., Box 108.
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Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
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Orchids—largest stock in the country. Stove plants and Crotons, finest collection. Julius Roehrs Co., Rutherford, N. J.

Orchid Growers' Manual. By B. S. Williams, 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

Edward V. Low, late of Hugh Low & Co., dissolved, Vale Bridge, Haywards Heath, England. "White" Cattleyas and Choice Cypripediums are leading features.

PALMS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

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Lochner & Co., New York, N. Y.
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PANSY SEED

Arthur T. Boddington, New York, N. Y.
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PAPER POTS

Paper Pots: 5000 3 in., \$5; 2 1/2 in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
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PECKY CYPRESS BENCHES

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A. T. Stearns Lumber Co., Boston, Mass.
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PEONIES

PEONIES—1200 sorts, an enormous stock List ready. C. Betscher, Canal Dover, O.
Peonies in any quantity. Write for prices on list of your wants. Gilbert H. Wild, Sarcoxie, Mo.

PETUNIAS

Petunias (Dreer's), mixed, 2 1/2 in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

PHOTOGRAPHS

I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan R. Graves, 414 Hayward Bldg., Rochester, N. Y.

PLANT STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."
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Metropolitan Material Co., Brooklyn, N. Y.
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POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

PRIMULAS

Primulas Chinese, fine plants, 2 1/2 in. \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

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Wood Bros., Fishkill, N. Y.
Own Root Roses.

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Wanted—Rose plants of any kind. Melrose Garden Co., 90 Melrose St., Providence, R. I.

SCALECIDE

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All Leading Varieties of Seeds.
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The W. W. Barnard Co., Chicago, Ill.
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J. Bolgiano & Son, Baltimore, Md.
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SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and
orchid baskets always on hand. Lager &
Hurrell, Summit, N. J.

Ten bales sphagnum moss, \$7.00. Z. K.
Jewett Co., Sparta, Wis.

SPRAYERS

Chas. J. Jager Co., Boston, Mass.

STRAWBERRY PLANTS

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TREE RENOVATION

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The Advance Co., Richmond, Ind.
Improved Ventilator Arm.
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Wirework. Write for our catalogue.
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WOOD PRESERVATIVE

Conserve Wood Preservative doubles the
life of all exposed lumber. Preserves
benches, posts, sills or planking. Costs
2c. a stick, and saves ten times its cost.
Samuel Cabot, Inc., Mfg. Chemists, Bos-
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WHOLESALE FLOWER GROWERS
ANNOUNCEMENT.

Chicago Flower Growers Association, Chi-
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Advertise Your Stock In Horticulture



If you could figure
up how much busi-
ness you do not get
because someone
had forgotten your
address or 'phone
number, or because
someone did not
know you had what
they wanted you
would be surprised
at the amount you
had lost.



Advertise Your Stock In Horticulture and Stop This Leak

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GREENHOUSES BUILDING OR CONTEMPLATED.

Spirit Lake, Ia.—J. M. Klein, addition.

Chicago, Ill.—John Schoepfle, house 24 x 60.

Warsaw, Ind.—Willard W. Dederick, addition.

Malden, Mass.—Burgess & Cooney, addition.

Lewiston, Mont.—Luther Wardeu, two houses.

Stockbridge, Mass.—C. S. Mellen, conservatory.

Syracuse, N. Y.—Charles Bourne, house 30 x 150.

Newtown, Pa.—Henry F. Banks, range of houses.

Grand Island, Neb.—E. Williams, rebuilding two houses.

Fulton, Ill.—John Aggen, two vegetable houses, each 21 x 100.

West Hartford, Conn.—W. W. Thomas, sweet pea house, 34 x 160.

Norwood, Pa.—The Robert Craig Co., four houses each 44 x 150.

Princeton, Ill.—W. E. Trimble Greenhouse Co., two houses and store.

Spartanburg, S. C.—The Oakhurst Greenhouses, two houses each 25 x 100.

San Francisco, Cal.—The California Evergreen Co., two fern houses each 30 x 130.

Minneapolis, Minn.—Hans Rosacker, violet house. The Central Floral Co., house 60 x 150.

Tuxedo Park, N. Y.—Mrs. C. M. Bell, range of houses. Mrs. Cooper Hewitt, addition.

Burlington, Vt.—Ground has been broken for a range of greenhouses at the University to be erected in the rear of Morrill Hall. The range will consist of a two-story head house 25 x 60 feet and three even span greenhouses 20 x 60 feet. Material has been supplied by the John C. Moninger Co. The houses will be heated by low pressure steam and it is expected to have them ready by the opening of the college term.

UNIVERSITY OF WISCONSIN, SHORT COURSE.

The University of Missouri announces the appointment of Mr. A. J. Meyer of Howell, Michigan, as superintendent of the short winter courses in agriculture. Mr. Meyer was formerly a student of the University of Wisconsin, and assisted in the instruction of short course students at that institution. In 1910 and 1911 he was instructor in the short winter courses at Missouri. The appointment of Mr. Meyer indicates that the University will increase its facilities for instruction in this popular course, and will make every effort to provide for the increasing numbers already assured for the coming year.

The facilities of the Missouri College of Agriculture have been taxed to the utmost by the large enrollment of students during the past two years. The two year short course, which begins November 1 each year, and continues until March 1, has attracted larger and larger numbers of students, until during the past year the enrollment reached more than three hundred.

The college has come to be regarded

Landscape Gardening



A course for Home-makers and Gardeners taught by Prof. Craig and Prof. Batchelor, of Cornell University.

Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

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250 page catalogue free. Write to-day

The Home Correspondence School

Dept. H, Springfield, Mass.

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Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

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Scientific Farming, Fruit Growing, and other cultures. Gentlemen who own Farming Estates not on a paying basis should consult with the advertiser—satisfying acreage, etc.—who would undertake management on a commission basis, and make a big paying enterprise. Production estimates and values on one year's crops, and expenditures given for inspection. Apply Z. Z., care HORTICULTURE, 11 Hamilton Place, Boston.

A thoroughly practical Nursery and Seedsman, and Fruit Specialist, would like an engagement either as a managing grower or as a salesman. Is also a specialist on grass seeds for golf links, lawns, or permanent agricultural pastures for hay or grazing purposes. Apply, J. J., care HORTICULTURE, 11 Hamilton Place, Boston.

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FOR SALE—Fresh from factory, new 10 x 12, 16 x 18, 16 x 24, double thick, A and B qualities. Market dropped. Now is the time to buy and save money. Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.

FOR SALE—One Furman Heater, seven sections, serial 3957, size 30S, good condition. One Furman Heater, six sections, serial 5401, size 30T. Needs one new section. Strout's, Biddeford, Me.

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PARTNER WANTED—An old established seed and implement house wants a live, hustling, young man to buy part interest and help in the active management of the rapidly growing business. The concern stands well in the trade and with proper help and management, can be made one of the largest in the country. All correspondence, confidential. Address Conservative, care HORTICULTURE.

with favor by the farming and other business interests of the state, and young men who, eight or ten years ago, would have taken up the study of law, medicine or engineering are now enrolling for work in agriculture.

On some of its out-lying farms, the experiment station has succeeded in increasing the yield of clover from one-half to two tons per acre by proper soil management, and in Southwest Missouri it has been shown that corn may be increased twenty bushels per acre and wheat twelve. The horticultural department has discovered methods of pruning peach trees so as to produce two additional crops in eight years.

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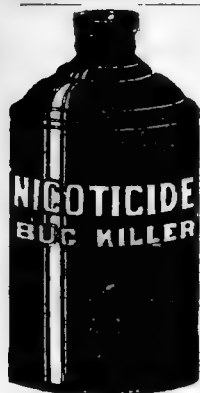
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Gallon.....	10.50
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**The Best
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**For PROOF
Write to**

**P. R. Palethorpe Co.
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NIKOTEEN The most effective and economical material there is for spraying plants and blooms. **NIKOTEEN** Skillfully extracted from leaf tobacco, and carefully refined, it is clean and easy to apply. **NIKOTEEN** Does the work when vaporized either in pans, on pipes, or over a flame. Full Pint Bottles, \$1.50.

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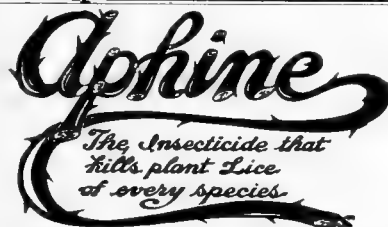
Specially prepared for fumigating closed houses. It vaporizes the Nicotine evenly and without waste. Nothing keeps a house free from Aphis so cheaply. Price \$6.50 per case of 13 paraphrased boxes. All Seedmen.

To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

Use any form you choose but buy it of

E. H. HUNT, 131 N. Wabash Avenue, Chicago



Destroys green, black and white fly, red spider, thrips, mealy bug, brown and white scale and all soft bodied insects. An excellent cleanser for decorative stock.

Used as a spray you can rely upon it for positive results, without fear of failure or dissatisfaction.

\$2.50 per gallon, \$1.00 per quart.

"FUNGINE"

An infallible remedy for mildew, rust and other fungus diseases. A clean, safe and easily applied spraying material.

Prof. W. F. Massey, associate editor of the Market Growers Journal, replying to an inquirer for a remedy for black spot on roses, writes (July 1st, 1911):—"The Fungine advertised by the Aphine Company is worth trying on this disease. It is promising here as a fungicide."

\$2.00 per gallon, 75c. per quart.

FOR SALE BY SEEDMEN

MANUFACTURED BY

**APHINE MANUFACTURING COMPANY
MADISON, N. J.**

Imp Soap Spray

Clean and odorless. Forms invisible films. Non-corrosive. Usual effective strength, one to thirty-two.

Guaranteed under Food and Drug Act 1910.

**Single gallons, \$1.50
In barrels, \$1.00**

**Eastern Chemical Company
Pittsburg Street
BOSTON**

Cattle Manure in Bags Shredded or Pulverized

Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

**The Pulverized Manure Company
Union Stock Yards Chicago**



Cocoanut Fiber Soil

is being sought after by all growers. Cover your lawns this fall and next summer you can have a green one.

**20th CENTURY PLANT FOOD CO.,
27 Ocean St., Beverly, Mass.**

**Wilson Plant Oil &
Fertilizer Company
150 Nassau Street, NEW YORK CITY
Horticultural Supplies**

Write for our special Catalogue

"SCALECIDE"

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance." B. B. PRATT CO., 50 CHURCH ST., NEW YORK CITY.

NEWS NOTES.

Greenville, S. C.—The Holland greenhouses have been purchased by Emile Bovey.

Atlantic, Iowa—The Atlantic Greenhouse Co. has moved to Ninth and Linn streets.

Rhinebeck, N. Y.—C. A. Kilmer has purchased the greenhouse and property of Walter Ripley.

Waxahachie, Tex.—The capital stock of the Southwestern Nursery Co. has been reduced from \$8,000 to \$4,000.

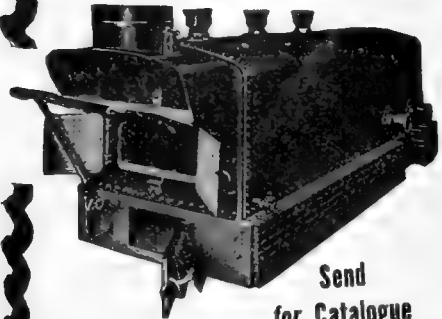
Crescent City, Fla.—Charles Schubert has purchased property here and will grow roses for the home market and to ship to his partner in Tennessee.

Elkhart, Ind.—A severe hail storm on July 11 did much damage to greenhouses and stock in this vicinity. Wm. Currier lost 1000 lights; Fred P. Liven-good is said to have lost 90 per cent of his glass; Hugh Hills, 500 lights; Frank J. Beavan, about 300 lights; W. H. Troyer, about 500 lights. The B. E. Sassman greenhouse lost considerable glass. The rain that came with the hail did enormous good.

PATENTS GRANTED.

997,943. Cultivator and Sectional Cultivator-Teeth. Samuel L. Allen, Moorestown, N. J.
998,322. Flower Holder. William H. Bone, Columbus, Ohio.

What the Users say



**Cast Iron Boilers Break Down Twice in 4 Years; Moral—
Use Kroeschell Boilers, They Are Safe.**

"I bought a No. 2 boiler in 1902. Takes care of 7,000 sq. ft. of glass; would take care of 2,000 more. I have HAD A CAST IRON BOILER, but it **BROKE DOWN TWICE IN FOUR YEARS** always in the coldest weather. It broke down Dec. 29th, 1904, and I **LOST ALL MY STOCK IN CONSEQUENCE.** I have now two No. 2 Kroeschell Boilers, and do not worry about their breaking down."

GRANT NEWPORT, Cedar Rapids, Iowa.

KROESCHELL BROS. CO., 466 W. Erie St., Chicago, Ill.

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FOR "POT LUCK" TRY US...
HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

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Syracuse Red Pots

"A little pot is soon hot," likewise a thin pot. This will save you fuel. Our pots are the thinnest and toughest owing to the superior quality of the clay. New price list on application.

Syracuse Pottery Co., SYRACUSE N. Y.



ALL THE CLAY FOR OUR Florist' Red Pots is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots, order from us. **THE PETERS & REED POTTERY CO. Zanesville, Ohio**

STANDARD FLOWER POTS

We have 1000 ready packed crates that can be shipped same day order is received. Send for price list of seed and bulb-pans, hanging baskets, lawn baskets, cylinders for cut flowers, etc.

Address **HILFINGER BROS. POTTERY, Fort Edward, N. Y., or AUGUST ROLKER & SONS, 31 Barclay St., New York City.** New York Agents.

INCORPORATED.

Kalamazoo, Mich.—**H. A. Fisher Co.**, capital stock \$10,000. Incorporators, Harry A. Fisher, George Fisher and Herman Fisher.

Minneapolis, Minn.—**The Estacade Orchards Co.**, capital stock, \$50,000. Incorporators J. E. Bogk, L. F. Everett and E. Mousseau.

Stuart, Va.—**The Atwood Orchard and Nursery Co.**, capital stock \$50,000. Incorporators, H. C. Wisor, J. C. Shockler, R. E. Collins.

Brooklyn, N. Y.—**The New York Orchards Association**, capital stock, \$80,000. Incorporators John W. Jeffreay, Alex McKeen of New York and Arthur Wadsworth, Walter Fitzgerald and George A. Taft of Brooklyn.

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machines in your houses and forget all your ventilating troubles. The children can operate them. Just what you want.

**OUR NEW
TWIST-LESS ARM**



Note the simple construction. One bolt securely fastens it to the shafting pipe. Easy to set up.

Our new catalogue J thoroughly describes and illustrates our new arm, also the rest of our line. Get one, it will interest you.

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No.	Diam.	Each	Dox.	100
10	20 in.	\$1.45	\$16.00	\$130.00
20	18 in.	1.30	14.00	115.00
30	16 in.	1.00	11.25	92.00
40	14 in.	.85	7.00	66.00
50	12 in.	.45	5.00	40.00
60	10 in.	.38	4.00	32.00
70	8 in.	.30	3.50	28.00

Manufactured for us exclusively. The best tub ever introduced. The neatest, lightest and cheapest. Painted green, with electric welded hoops. The four largest sizes have drop handles.

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Write for Catalogue
Tree tubs and brass hoop Jar-
daniers with extension stave
foot, sold by
FOTTLER, FISKE, RAWSON CO. Boston
**The American Wooden-
Ware Mfg. CO.,
Toledo, Ohio, U. S. A.**

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts.,

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Send your business direct to Wash ngton.
Saves time and insures better service.
Personal attention guaranteed.
Twenty-five years' active service.
SPECIALTY: "Working on the Failures
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LOUISIANA RED CYPRESS GREENHOUSE MATERIAL

STEEL GUTTERS, TRUSSES,
PURLINS, PIPE, FITTINGS, GLASS,
Etc.

PRIVATE AND CONSERVATORY
WORK A SPECIALTY.

The Foley Manufacturing Co.
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Cheap as Dirt

Have you had any prices on greenhouse glass, lately?

Write us at once for our quotations. We'll surprise you.

Take advantage of the drop and book orders for future deliveries.

Our glass all new and fresh from factory.

Hot-bed sash and greenhouse material, dropped too.

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59 Montrose Ave., BROOKLYN, N. Y.

CYPRESS SASH BARS
32 feet or longer
HOT BED SASH

PECKY CYPRESS BENCH LUMBER

GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

The A. T. STEARNS LUMBER CO.
NEPONSET, BOSTON, MASS.



Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

GREENHOUSE CONSTRUCTION LUMBER

John C. Moninger Co.
117 E. Blackhawk St., CHICAGO.

The FLORISTS' HAIL ASSOCIATION OF AMERICA, insurer of 32,500,000 sq. ft. of glass. For particulars address **John C. Ester**, Sec'y Saddle River, N. J.

KING GREENHOUSE CONSTRUCTION

**LIGHT
STRONG
FREE FROM VIBRATION
ECONOMICAL IN THE LONG RUN
BRINGS RESULTS**

YOU CAN BUILD THEM YOURSELF
WITH THE PLANS AND DETAILS
WE FURNISH.

VENTILATING MACHINERY
SECOND TO NONE.

FITINGS, PIPE HANGERS AND
SHELF BRACKETS THE BEST.

KING CONSTRUCTION CO.

HOME OFFICE AND WORKS
North Tonawanda
N. Y.

EASTERN SALES OFFICE
No. 1 Madison Avenue
NEW YORK

STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St. BOSTON, MASS. 61-63 Portland St.

SHARP, PARTRIDGE & CO.

Are Leaders in

GREENHOUSE GLASS

OUR PRICES WILL PROVE THIS.

CHICAGO, ILL.

BOSTON PLATE & WINDOW GLASS CO.

GREENHOUSE GLASS

GERMAN AND
AMERICAN

261 to 287 A Street

BOSTON

20 to 22 Canal Street

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HORTICULTURE

Vol. XIV. AUGUST 5, 1911 No. 6



HYBRID TEA ROSE MADAME MELANIE SOLPER

*Devoted to the
FLORIST, PLANTSMAN,
LANDSCAPE GARDENER,
and
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Hardy, Beautiful, Fragrant. The Finest Novelties Extant



Lilium myriophyllum

AWARDED SILVER MEDAL BY MASSACHUSETTS HORTICULTURAL SOCIETY, JULY 15, 1911.

LILIAM MYRIOPHYLLUM

Mr. E. H. Wilson, the famous plant collector, collected for us the bulbs now offered, in North-western China. He considers this the finest of all lilies. It is absolutely hardy, and is excellent for forcing. It has been predicted that this will become the Easter Lily of the future, and being so hardy, may be grown at home. The flowers are white, slightly suffused with pink and with a beautiful shade of canary yellow at the center, and extending part way up the trumpet. It is delightfully perfumed, reminding one of the narcissus, and looking the heavy oppressive color of most lilies. Blooms out of doors early in July.

Orders looked now for October delivery. Bulbs, each, \$1.50; dozen, \$15.00.

LILIAM LEUCANTHEMUM

The bulbs offered are also collected by Mr. Wilson. This is one of the strongest growing lilies. The plants are six to eight feet high. The flowers vary in number from five to ten on a stem, and are of a size resembling that of the Easter Lily. The flowers are greenish white, tinged purple on the outside, and white within, with a blot of yellow in the center. The flowers have a pleasing fragrance, and will undoubtedly be well adapted for outdoor planting, as well as for forcing. Many of the flowers are double flowered. It flowers somewhat later than *Lilium myriophyllum*, and has a distinct place.

Orders looked now for October delivery. Bulbs, each, \$1.50; dozen, \$15.00.

R. & J. Farquhar & Co.

SEEDSMEN AND NURSEYMEN

6 AND 7 SOUTH MARKET ST., BOSTON

Seasonable Notes on Culture of Florists' Stock

ACHIMENES

Keep these plants nicely staked as growth advances so as to have in good form before the buds start to open. When the soil becomes filled with roots they will stand a good supply of water at the roots, and would be greatly benefited by a weekly application of liquid manure. When the flower buds are fully formed and just before they begin to open they can be moved to a cooler and airy house that is well shaded. They will do better here at this stage of their growth than if kept in warmer quarters where they are bound to make a drawn and spindly growth. Be careful not to submit them to too great a change at first, but gradually inure them. When they are through blooming place them by themselves in a moderately warm house where they will have plenty of light and air. Don't neglect to give them water when they may need it so that the leaves and stems may be kept fresh and healthy until the tubers have attained their full size and maturity. When allowed to die off prematurely they will only have insufficiently matured tubers which will never give good results.

CALCEOLARIAS

Now as the end of summer approaches it is time to sow calceolaria. Use clean pans or flats with plenty of drainage, which is a very essential point. A good compost to sow on is loam, leaf-mold and sand in equal parts. An inch of the top layer should be sifted very finely. The pans should be thoroughly dampened before you sow your seed. After sowing press the surface over with something smooth and place a pane of glass over each pan. Place them in a frame where they will have protection from rains and later on from frost. See that the sashes are fixed so that air can be freely admitted. In a few weeks they can be transplanted into flats, about an inch apart, using the same soil as mentioned above. When the cool nights set in, they will start a vigorous growth, and when large enough should be potted into 2 or 2½ inch pots using a little heavier soil. It will be necessary to keep them clear of green fly by fumigating once a week if you want nice healthy plants.

CORFOPSIS GRANDIFLORA

These plants make a very valuable crop for Memorial Day with their handsome golden yellow flowers of four inches in diameter. Sow the seed now in a coldframe and when they are large enough plant them about 10 inches apart in another coldframe. With this winter protection you can grow fine crops that can be potted up or planted out in a cool house from January till March. Those that you don't use can be kept until April and then planted outside where they will flower from June on if the seeds are kept from maturing on the plants.

EUCHARIS

Plants that have produced a lot of flowers, should be given a liberal amount of water at the roots with

plenty of manure at the top of the pot and a new leaf as near as possible and development. When growth completed, they should have a period of from 4 to 6 weeks rest, gradually withholding water until the leaves begin to flag slightly when they should have just enough water to keep them from turning up again. Pick up this treatment by keeping dry as before and then again a slight watering. This alternate treatment can be continued for a month or six weeks so as to give them a period of partial dormancy, but be sure to give them enough of water to keep the leaves plump or otherwise they will be injured. This resting and flowering treatment can be practised with good results two or three times a year. Now is a good time to plant a bench of established plants from 4-inch pots, spacing them from 6 to 8 inches apart. They like any good soil and some well decomposed cow manure in equal parts. When the benches or pots become filled with roots they will be greatly benefited by a weekly soaking of manure water during their growing period. A crop of flowers coming in at this season should be slightly protected against the fierce rays of the sun.

LILIUM HARRISII

If lilies of the Harris type are wanted for early flowering, the planting of the bulbs should take place as soon as you can get them, so as to give them time for good root formation. Any good soil that does not contain green manure will do. A good compost to use is three parts of loam to one part of well-rotted cow or barn-yard manure. Place the bulbs so that after they are potted they will be entirely below the surface of the soil. Then give them a good watering to settle the soil. They should then be stood closely together in a frame, and covered with 4 or 5 inches of soil so as to keep them cool and to hold an evenness of moisture. While they are making root growth they will need attention—during an exceptionally dry spell the application of one or several doses of water, or during a prolonged rainy spell a covering of some sashes. In about a month or six weeks most of the bulbs should have made a good start in filling their pots with roots. You can separate them into several groups by going over them from time to time. Give the most advanced ones a good light position on a bench in a cool house.

ANTHRISANTHUS

For an early winter crop you can sow the seed from now until the first of September. They can be sown directly in the bench or bed, but when you have a crop to take off you can sow them in 4-inch pots which will give them plenty of room to grow for some time. Select a house where they can have at least six or seven feet for height and they will do better. Give them a soil well enriched with cow manure if possible, but where this is unprocureable well-rotted sheep or horse manure will answer. See that the bench or beds are provided with good drainage.

John J. M. Farrell

Mr. Farrell's next book, "The Flower Garden," is now in the press. It will be published by the same publisher as this one, and will be a most valuable addition to the literature of the flower garden.

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It appears to be quite a common custom of late, for the "floral artist" who has executed a wheelbarrow, fire truck or similar "design work" in flowers or for the trade paper

which likes to adorn its pages with illustrations of such masterpieces, to take refuge in an apologetic sort of way behind the plea that the customer was determined to have this and would not accept anything else. In these gratuitous admissions of "the small voice within" we think we can see indication of a healthy awakening to a realization of the incongruity of these crude productions and that the florist owes it to his profession and the public to endeavor to develop his art to a higher and better plane. At the meeting of the retailers in connection with the Baltimore Convention advantage should be taken of the present receptive attitude of the trade on this important subject, and a campaign of education upward inaugurated.

That florist who advertises his business most liberally and continuously in local newspapers, street cars and other available publicity mediums will be found almost invariably to be the busiest and most prosperous in his line in his town. There are exceptions, of course, for advertising unsupported by good management loses much of its value. Indeed, it is a question whether the success which comes to the persistent advertising florist is a direct result of the advertising or is due rather to the exercise of a clear-headed business ability of which a well-directed advertising campaign is only one outward manifestation. Considering, however, the overwhelming proportion of floral establishments in which modern business system is practically disregarded and things run just at random, it is easy to see that there is a big field for improvement if the florist occupation is to attain its due and rightful position among the foremost commercial industries.

It is not easy to imagine any more effective advertising expedient than a well-maintained place brilliantly adorned with tasteful examples of the use of plants and all the appointments kept in harmony and up to the standard appropriate to an avocation in which refinement and artistic taste are dominant qualities. That so few, comparatively, of the florists' establishments one sees in traveling from place to place are so kept and adorned is a reflection far from favorable to the florist business as a whole. In that bright little pamphlet, "Bulb Talks," issued by R. M. Ward & Co., on which we commented in a previous issue, there are some excellent bits of advice and suggestion to the local florist as to ways and means of publicity and surprise is expressed at the rarity of business signs on these establishments. As Mr. Ward says "there are thousands of greenhouse plants in the United States without a sign of the proprietor's name about the place. In this respect a very valuable asset is neglected and lost."

Where many
florists lack

"Let your
light shine"

Some Choice Conifers

Coniferous evergreens are of such paramount importance in all forms of landscape gardening in the colder parts of the United States that it is somewhat surprising that more attention is not given to the choicer and more beautiful kinds. Although many thousands are planted annually these are composed of comparatively few species and, though we cannot afford to dispense with such standard sorts as white pine, common hemlock, Austrian pine and blue spruce yet it should be borne in mind that there are many others equally well and, in some respects, better adapted to ornamental planting and which at the same time are equally hardy and as easy to cultivate. A very conspicuous feature of the National Flower Show held in Boston in March last was the numerous collection of evergreens. Among the more noteworthy being excellent displays from the Messrs. Farquhar, the Eastern Nurseries, Messrs. Bobbink & Atkins and W. A. Manda. A very large and representative collection can at all times be seen in the Arboretum where intending planters will do well to make a visit specially at this time of year.

Abies Veitchii is a fast-growing species from Japan with dark green foliage, very silvery on the under side. It is apparently capable of making a very handsome lawn specimen. So fine a tree as *Abies Nordmanniana* is an excellent companion to the foregoing, somewhat similar but less silvery beneath. Few conifers make a more symmetrical specimen or produce a finer effect than this and the intense green of the foliage is emphasized when it is planted in juxtaposition to a blue spruce.

One of the most beautiful and interesting of all evergreens is the Umbrella pine from Japan which is at present quite rare in gardens, but its singular beauty and hardiness should ensure it being largely planted. *Sciadopitys verticillata* should be planted in a position where the soil is moist during the growing season but not at all waterlogged and a compost of loam and leaf soil or peat will meet its requirements.

Two very handsome conifers with glaucous foliage are *Cedrus atlantica glauca* and *Cupressus arizonica*. The former should be planted in a position where it is sheltered from cold winds in spring by surrounding trees which often cause more damage than any frosts we experience. It is succeeding well in the Arboretum.

Several forms of the common hemlock are deserving of extended cultivation especially good forms being *Tsuga canadensis compacta*, a dwarf growing form of close habit and *T. C. Sargentii* a very handsome pendulous variety. *Taxus cuspidata*, the Japanese yew, is undoubtedly the best variety for any purpose in the colder parts of this country, for whatever weather we may experience during the winter or early spring it never becomes brown or is in any way affected.

The *Retinosporas* are among the most useful and beautiful of smaller-growing conifers, well suited for the embellishment of the most cultured part of the pleasure grounds. *R. filifera* is one of the most graceful with long drooping thread-like branches. It has two excellent varieties *aurea* with golden foliage and *glauca*, which is quite uncommon, but a beautiful form. *R. obtusa nana* nov. is also desirable and so is *R. Crippsii* if a sheltered place can be found where its bright golden foliage is not injured by cold winds.

Varieties of *Thuja occidentalis* are numerous and many are worthy of inclusion in all gardens. Among the dwarf-growing forms we have such excellent sorts as *Geo. Peabody* and *Cloth of Gold*, both with attractive golden foliage while *Hoyeri*, *Tom Thumb*, *Little Gem*, *Globosa* and *Ellwangeriana* are excellent green forms.

The more uncommon junipers are also deserving of much extended cultivation, the most noteworthy being: *chinensis argentea* with bluish green and white foliage; *tamariscifolia*, a low growing evergreen, fine for covering ground, large rocks, etc.; *chinensis Pfitzeriana*, a very pleasing, graceful plant; *sabina tripartita* and *Virginiana Schottii*.

One of the most desirable of all conifers is the hardy form of *Cedrus Libani* or Cedar of Lebanon, which has been introduced to this country through Professor Sargent. As is well known the ordinary form of Lebanon cedar which forms so conspicuous a feature in many gardens and parks in Europe is not capable of withstanding the severities of the climate here but this new variety has successfully withstood the last ten winters in the Arboretum and will evidently prove a great addition to our list of ornamental evergreens. The foliage is a beautiful light green and the habit especially graceful. Specimens from four to twelve feet in height can now be seen in the Arboretum.

Arthur. E. Thatcher

Arnold Arboretum.

Dahlia Rheinkönig



This is one of the novelties of the present year of the Giant Cactus type. It is an ideal variety for florists' use as a cut flower, being pure white, with petals of great substance and stems long and rigid. Its sturdy habit of growth and free blooming qualities make it also an assured garden favorite. It is catalogued this year for the first time by Deen.

Rose Madame Melanie Soupert

The rose was the subject of our cover illustration in the issue of Pernet-Ducher's introduction of 1906. It has developed good and satisfactory qualities in the garden in this country and has undoubtedly become a star. The color is salmon yellow suffused with pink and carmine. The flowers are semi-double and the petals are extremely shaped and attractive.

CLUBS AND SOCIETIES

AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Parties arriving in Kansas City on Monday evening trains, August 7th, will, of course, have ample time to make hotel arrangements and be ready for the opening meeting at the City Hall. Parties arriving on the morning trains, August 8th, will have time to go to the Baltimore Hotel, or any other hotel which you may select, make your hotel arrangements and get to the City Hall at Fifth and Main streets by 10 o'clock for the opening meeting. Those whose trains may be delayed a little may come directly to the City Hall and their hand baggage will be taken care of there and hotel arrangements can be made after the opening meeting.

The Baltimore Hotel has been selected as headquarters and has made the rates for rooms at from \$1.50 up. It is a high grade hotel, very complete in all its arrangements, and is not crowded in August. There will be ample room there.

In case you wish to go to one of the other hotels, the Sexton is directly across the street from the Baltimore, the Savoy is a couple of blocks away, and the Kupper Hotel and the Denmore are convenient to the Baltimore. In any of these last hotels mentioned rooms may be obtained from \$1.00 per day up.

I wish all visiting officials to call at the Park Board office in the City Hall first, register and obtain credentials, going from there directly into the Council Chambers where the opening meeting will be held. After you have all arrived at the Park Board headquarters we will then be able to give you definite directions for the rest of the time of the Convention.

If you have been a little in doubt about coming to this Convention, please now reconsider and either come, or send a representative from your city. This is going to be a rousing meeting and great good should come from these conventions. We will be greatly disappointed if you are not here.

W. H. DUNN,
Superintendent of Parks.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

St. Louis to Baltimore.

State Vice-President Fred H. Weber of the S. A. F. says he has a list of names of those who are on the late going but you can't tell at the florist business what might come up at the last minute to change it more. The club meeting on Thursday will no doubt bring out the real list of those going. Mr. Weber has been working hard and succeeded in collecting quite a few new members to the Society.

ST. LOUIS FLORIST CLUB.

The St. Louis Florist Club will hold an important meeting on Thursday afternoon, August 10th. At this meeting the annual election of officers for ensuing year will be held. All the candidates who were nominated at the July meeting have a large following and a hot election is in store.

AMERICAN GLADIOLUS SOCIETY.

Only a few days remain before the second annual exhibition of the American Gladiolus Society takes place at Baltimore and notwithstanding discouraging reports of damaging drouths from many parts of the country I believe that our exhibition will surpass the splendid show we made at Rochester last year. The growers that have kept the cultivator busy during the dry spell will be able to bring some good spikes of flowers to Baltimore. We have had practically no rain for nearly two months in Orange, the first good rain coming the 24th, and another good one on July 29th, but I kept the soil stirred twice a week and am now cutting as fine flowers as I ever have. The judicious application of the 5 per cent. solution of formalin on scabby bulbs has resulted in giving me the healthiest plants one could wish from such stock.

The extreme hot weather forced some varieties into bloom a week earlier than I ever had them before and a few days before they began to flower the tip buds scorched as though they were held over a blaze of fire. It was surprising to see how the rain brought them around again. It is generally believed that cutting the spike when the first two or three flowers open will result in producing a stronger bulb that will give you a better spike of flowers the next year. I took this for granted for several years but have been doing a little experimenting for the past three years and find that nearly all bulbs that I have grown for seed give me a spike of flowers equal to those that I cut flowers from.

I am receiving some rare species of gladiolus bulbs from the Transvaal. These are sent me by a well-known collector of botanical specimens, George Thorncroft, Barberton, who has discovered many rare plants including gladiolus and a rare pink cyrtanthus named after him by the authorities of Kew Botanical Gardens. Mr. Thorncroft has also sent me some bulbs of a new cyrtanthus with umbels of pure white flowers. A few bulbs in a pot are beautiful as freesias. They flower around Barberton in May and June and multiply enormously from offsets. They grow in South Africa at an altitude of 5000 feet but the frosts there are not severe so I do not yet know whether they are hardy enough to plant out in the fall here.

Returning to the gladiolus, Mr. Thorncroft tells me that there is a new species which is very beautiful, the finest one they have, that flowers in December. It is a large flowering variety; color, old gold, splashed with red. Many of these species are interesting but of little use in breeding for garden sorts. L. MERTON GAGE.

H. Yonell, financial secretary of the American Gladiolus Society, sends us record of the following additional prize offered for competition at Baltimore:

Class 10, for amateurs, Mr. Francis King offers \$10 for the most harmonious and beautiful color arrangement of gladiolus spikes, number of colors and quality to count, no less than 50 spikes.

FLORISTS' CLUB OF PHILADELPHIA.

Convention matters and a talk on "Park Gardening" by Xavier Schmitt were the leading items on the program at the regular monthly meeting of the above club held on August 1st. Jno. Westcott reported for the transportation committee and after considerable discussion of various routes it was decided to go by the B. and O., the Tuesday morning, on the 10.17 train. All members to be notified with return postal so that if number of replies warrant a special car can be procured. This shows the importance of every one answering promptly. The fare is the regular four-dollar excursion. Each member buys his own ticket in the usual way. No bother at all with rebates and committees and so on this year, as the distance being short there would be no saving. The hotel committee reported and read offers from ten or twelve of the leading Baltimore hotels, and this information is now on tap for all who may want it. No headquarters have been selected, it being thought wisest to let each member pick out the hotel that seemed to suit him best. Mr. Schmitt's address was very well received, and we hope to find room for it in our columns at an early date. The bowling team will consist of:—Jno. H. Dodds, Wm. Robertson, Samuel Batchelor, Robert Irwin, and D. T. Connor.

NEW ORLEANS HORTICULTURAL SOCIETY.

Claude L. Ory, a prominent florist of the upper section of the city, was elected president of the New Orleans Horticultural Society on July 21, after one of the most exciting elections ever held by that body, Mr. Ory defeating R. E. Simon, another well known florist, by one vote, the final count being 15 to 14.

The meeting was full of interest all the way through, and quite a surprise was sprung when Mr. Ory was placed in nomination and elected. It had been originally agreed to elect Mr. Simon president by acclamation, but when the nominations were made and the vote called it was found that Mr. Simon was not present.

J. E. Newsham and several of the other members brought up the point that a man could not be elected to the presidency unless he was present, and after a resolution had been passed making this a law of the association, Mr. Simon appeared on the scene. His friends then urged him to enter, as the nominations had been reopened. Mr. Simon did, but Mr. Newsham would not withdraw his candidate. The voting was done on the Australian secret system.

The other officers elected, all by acclamation, were: B. M. Wischer, vice president; John Eblen, treasurer; C. R. Panter, secretary; Richard Eichling, corresponding and recording secretary.

Mr. Eblen, the treasurer, was elected to his twenty-seventh term, while Mr. Panter took up his tenth term as secretary. The finance committee appointed consisted of Joseph Steckler, E. Baker and P. A. Chopin.

LOCALITY SHOULDN'T COUNT.

In some things the human race to-day is very wise. For instance, when it starts out to find the best cabbage for its particular needs, it cares nothing about locality. Copenhagen, Milwaukeehead, Kamschatka, Kalamazoo, South Carolina, Aberdeen or Tinseltown are all the same to them so long as they get the goods. But when it comes to selecting an officer for the National Society, well then, they seem to indulge in such foolishness as: Does he belong to our village, what is his religion, is he an A. P. A., is he a prohibitionist, is he a quaker, is he a Dunkard; does he part his hair in the middle; does he go down stairs to dinner in his shirt sleeves; does he believe in the nebular hypothesis, and a whole lot of other things that are not germane to the subject at all. Why can't the same wisdom be displayed in selecting an officer as we evidence in selecting a vegetable. The best fitted for the job is what is wanted, no matter where located. Genius knows no latitude, no longitude. It may happen anywhere in the littlest hamlet or the biggest city. What we as enthusiasts in the welfare of our chosen profession should strive for is to get the best man irrespective of locality. This cry—"well, there should be something for the North as well as for the South" sounds sensible and fair; but on analysis is the rankest nonsense, and moreover, it is worse—it is a mischievous and dangerous doctrine. It leads many well meaning but unthinking people astray. Many of us do not look far beyond our town, country or state and the big men near us seem to us good enough for the rest of the world. They may be; but we must first compare them with the best that other parts can offer, and then forget our own little bailliwick for the good of the country. Sectionalism is the commonest of human failings. Let us not delude ourselves into the belief that this failing is a virtue. Let us rise above that, and say: the best is what we want wherever it comes from! Give us the best our country has not the best in our little burg; but the best the United States can give us. GEORGE C. WATSON.

BRITISH HORTICULTURE.

Amongst the Roses.

The trade growers were well represented at the annual show of the National Rose Society, in the Botanic Gardens, Regent's Park, on July 7th. Competition was keen in most departments, with the result that a magnificent collection of the "Queen of flowers" adorned and scented the

INTERIOR VIEW OF S. A. F. EXHIBITION HALL, BALTIMORE, MD.



spacious marquees. In the nursery-men's classes, the championship was won by Hugh Dickson, of the Royal Nurseries, Belfast. He received a gold medal for Mrs. Sam Ross, a delicately tinted H. T., and Mrs. R. Draper, a H. T. of a pleasing pink shade; also a silver gilt medal for Souvenir of Portland, Oregon, a H. T., of a crimson cerise hue. Rev. J. H. Pemberton, of Haverling-atte-Bower, Essex, secured a silver gilt medal for Danae, a perpetual-flowering yellow cluster rose. Cards of commendation were awarded to the following: Miss Muir Mackean, Nancy Williams, and British Queen, shown by S. McGredy & Sons; Sunburst, by G. Beckwith & Son; Coronation, Hugh Dickson, and Ethel, by Charles Turner. In the classes for the best blooms, Hugh Dickson received a silver medal for Mrs. Stewart Clark, as the best H. T.; G. Prince, had a similar award for Mme. Jules Gravereaux, the best Tea variety, and Harkness & Son, for Hugh Dickson, the best H. P. variety. The decorative classes were particularly well filled, some artistically arranged designs being shown

The Sweet Pea Show.

Sweet pea enthusiasts have every reason to be satisfied with the attention given this year to their favorite flower. One of the daily papers has given the sweet pea a "boom," and is organizing this month a great show at the Crystal Palace for the thousand

pounds prize offered by the proprietors. This has evoked an enormous number of entries from all parts of the United Kingdom. The annual exhibition of the National Sweet Pea Society in London on July 11th and 12th was a gratifying success; crowds of visitors admired the high standard of excellence prevailing in most departments. W. Atlee Burpee, of Philadelphia, renewed acquaintance at the show with many of his British confreres, and cast a critical eye over the exhibits in the class for the best American varieties. The first prize in this section fell to Sir Randolph Baker, who was to the fore as a prize taker in other classes. A distinguishing feature was the success of the Irish growers, who are evidently forging ahead as successful growers of this popular flower, as well as of the rose. There were no striking novelties. The awards were as follows: First class certificates—Barbara, orange self, Robert Holmes, Tuckwood Farm, Norwich; Dobbie's Thomas Stevenson, orange scarlet, Dobbie & Co., Edinburgh, N. B. Awards of merit—F. Seymour Davis, rosy pink, F. Seymour Davis, Farnham, Surrey; May Campbell, cream, splashed with red, and Mauve Queen, rose lavender, after the style of R. F. Felton, both shown by Dobbie & Co.; Mrs. B. Gilbert, white, suffused pale purple, Gilbert & Son, Bourne, Lincs; Red Star, crimson, A. Malcolm, Duns, Scotland. W. H. ADSETT.

Our Seventh Annual Convention Number

Will be issued under date of August 12, 1911. It will be full of interest for those who go to the Convention at Baltimore, and equally so for those who stay at home. It will be widely distributed and in publicity value to the advertiser will have no superior. Take a generous sized space in HORTICULTURE. You'll find yourself in good company. ❀ ❀ ❀ ❀ ❀

IT PAYS!

IT PAYS!

IT PAYS!

During Recess

The Convention Games.

Following is an official revised list of the prizes to be competed for at Baltimore.

BOWLING FOR MEN

Team Bowling:—

Whilden Cup—Team making highest total in 3 games.

Kasting Cup—Team making highest score in any one of the 3 games.

Bayersdorfer Cup—Team making highest score in first two games.

Michell (Phila.) Trophy—Team making second highest score in 3 games.

Henry Leahr (Balto.) Prize—A stick pin to each man on the highest team, total pins.

F. C. Bauer (Balto.) Cup—Man making highest number of strikes, team bowling.

Thos. H. Patterson (Balto.), One Dozen Fruit Knives—Man making highest total number of pins in the three games, team rolling.

W. W. Barnard Cup—Man making highest score on team from the greatest distance, total pins—team work.

W. C. McCaunce, Mirror—Man making second highest score, team rolling.

Mrs. M. J. Thomas (Balto.), Silver Pitcher—Most strikes made by a bowler in the 3 games.

W. J. Johnston (Balto.), Silver Bowl—For highest score in any one game, team rolling.

Pennock-Meehan Co. (Phila.)—\$5 to each man on team making second highest score in the 3 game, total pins.

M. Rice & Co. (Phila.), \$10—Man making second highest number of strikes in team rolling.

Hoseas Waterer, \$5—For man making second highest number of spares, team rolling.

Individual Rolling:—

The George Asmus Prize, \$25—For highest score total pins.

The Fred Strodtman (Balto.), Silver Cup—For second highest score, total pins.

Dreer Cup (Phila.), for 3rd highest score total pins—To man making highest number of pins in 2 first games or in individual rolling.

Special Event—To the individual, 50 years or over, making the highest score, total pins in 2 games. A case of whiskey.

Michell handbag—Highest score made by press representative in 2 games, total pins.

SHOOTING

The following have donated for the prizes to be awarded for shooting:

Michell & Co., silk umbrella; Ed Reid \$10; H. Brown \$10; Robt. L. Graham, \$20; R. Vincent, Jr., \$20.

There will be additional prizes forthcoming, when a proper distribution of all will be made.

Michigan Cut Flower Exchange Gives a River Party.

We all knew before hand that anything arranged by the Michigan Cut Flower Exchange is done right in every detail and this time they even went so far as to provide a beautiful day so that we were still more glad to inhale the cool

breezes of our beautiful river. Over five hundred people, all florists and employes with families, beans and belles, accepted the hospitable generosity of the Michigan Cut Flower Exchange last Monday.

From out of town there were present Elmer D. Smith, Wm. Pierce, John Watson from Adrian; Mr. Miller, formerly from Philadelphia, now from Chicago; H. E. Philpott, president Chicago Florist Club; Otto Kruger, Wm. Peck and wife, Toledo, O.; Mr. Dixon and wife, Northville, Mich.; Mr. Bissinger, Lansing, Mich.

The boat left the dock about 2 o'clock and it was not long before young and old, employer and employe, were engaged in dancing. A short stop was made at Isle aux Peches then the sail extended through Lake St. Claire and turning about again went through the beautiful Detroit river to Lake Erie; spending over three hours in the most delightful manner.

While local meetings have become scarce owing to the hot weather, the

grounds of The Elm City Nursery Co. in New Haven, Conn., July 26th, for their annual summer outing. The day was perfect in every respect. The recent rains made verdure everywhere fresh and attractive. A special feature at the nursery which was a source of universal interest among the members is a collection of rare Japanese plants which were personally selected last winter in Japan. After journeying through the nursery's fields of well-cultivated stock and comparing notes of mutual interest, the members took autos to the west-shore where they liberally feasted. Later after a short business session the members gave themselves over generally to the attractions of the shore. All agreed that this season's outing proved to be a most enjoyable one.

A Good Time at Washington.

Some 250 florists of the District of Columbia, Maryland and Virginia with their families and invited guests ac-



Connecticut Nurserymen's Association on Their Summer Outing at The Elm City Nursery Co.'s Grounds, New Haven, Conn., July 26th

question of having a fall show was discussed during this ride. It was remembered that the chief obstacle of renting a hall was practically solved through Mr. Danzer, who had secured the 20th Century Building for three days free of charge.

The neatness of the annual election of course brought a little politics and Michael Bloy was well indorsed. His natural capacity for hard effective work and fair dealing made him appear very desirable, so much more as we expect to entertain the rose and carnation societies.

Florists always know how to combine pleasure with business and it was not long before a plan became a fact whereby our groups of daysalumn growers, Elmer D. Smith of Adrian, was secured to read a paper on chrysanthemums in Chicago next October and a party of the local club will be there as his court of honor.

Connecticut Nurserymen's Association.

The Connecticut Nurserymen's Association met again this year on the

accepted the invitation of the Washington Florists' Club to attend Ladies' night on the lawn of the home of Wm. F. Gude. The lawn and summer house was gaily decorated with electric lights, Japanese lanterns and American flags and in the boxwood arbor, concealed from the guests, was a negro mandolin and guitar club who gave selections during the evening.

Mr. Gude for the club, welcomed the guests and introduced Richard Vincent, Jr., of White Marsh, who had kindly consented to lecture on the bulb culture of Holland. This lecture proved of great interest to all, illustrated as it was with colored pictures. He spoke on the growing, cutting, planting and manuring of the bulbs, showing how they were gathered and stored for market and their final disposal. Mr. Vincent's pictures also showed views taken of displays at various national exhibitions and conservatories in foreign countries. A hearty vote of thanks was tendered him on completion.

Due to the fact that things were

coming so thick and fast out of doors it was decided to postpone that part of the meeting which related to the actual business of the club. Due notice of the deferred meeting will be given later. An elaborate luncheon was served.

Among the guests were Mr. and Mrs. Richard Vincent, Jr., Wm. R. Smith, Wm. Bissett, Mr. and Mrs. Estabrook, Mr. and Mrs. Rhoads, Mr. Borsett, Mr. and Mrs. Harrison Dingman, Mr. and Mrs. Wallace Streeter, Mr. A. Gude, Mrs. Brueninger and daughters, Mr. and Mrs. Charles Stevens and son.

Mr. and Mrs. Wm. F. Gude were warmly thanked for the hospitality shown and it was sure that each and every one spent a most enjoyable evening. CLARENCE L. LINZ.

Westchester and Fairfield Horticultural Society.

The first annual outing and games held at Bonnie Brae Inn, New Rochelle, N. Y., Wednesday, July 26, proved to be a most delightful time for all. Weather ideal, fine grounds for our games, and a splendid dinner. Much credit is due to the committee of arrangements and T. J. Wade, manager of Bonnie Brae. Athletic contests results were as follows:

100 yard dash—1st, Wm. Whitton; 2nd, T. Altchison; 3rd, A. Possell.

Broad Jump—1st, Wm. Whitton; 2nd, A. Possell; 3rd, T. Stobo.

High Jump—1st, Wm. Whitton; 2nd, T. Stobo; 3rd, A. Patterson.

Hammer Throw—1st, A. Geddes; 2nd, Wm. Whitton; 3rd, T. Stobo.

Putting the Shot—1st, Wm. Whitton; 2nd, T. Altchison; 3rd, T. Stobo.

Potato Race—1st, A. Geddes; 2nd, A. Wynnan; 3rd, A. Nichol.

Three Legged Race—1st, Wm. Whitton, Geo. Edmondson; 2nd, A. Nichol, W. Goodall; 3rd, A. Patterson, T. Altchison.

Mule Race—1st, Wm. Whitton; 2nd, A. Possell; 3rd, Wm. Goodall.

Fat Men's Race—1st, T. J. Wade; 2nd, Jas. Stuart.

Commercial Men's Race—1st, Geo. Edmondson; 2nd, Geo. Baldwin.

Football—Westchester vs. Fairfield Co.—Won by Westchester; score, 5-1.

Tug of War, Westchester vs. Fairfield Co.—Won by Fairfield County.

Tug of War, Commercial vs. Private Gardeners—Won by Private Gardeners.

There were many useful and valuable prizes for winners in all events. Both counties were well represented and amongst our visitors were C. H. Totty and M. C. Ebel of Madison, N. J., Wm. Scott, Elmsford, N. Y., Wm. Rickards, Geo. Edmondson, W. E. Marshall and Chas. McTaggart, New York.

J. B. McARDLE.

Michell and Pennock-Meehan Ball Game.

On Saturday, July 29th, Pennock-Meehan boys journeyed to Ridley Park to beard the lion in his den, but the lion (which happened to be Michell's ball team) refused to have his spinach cut off but insisted on playing ring around the rosy with the P.-M. aggregation until they were unable to withstand the terrific onslaught of the bats by the Michell boys, although we must admit they were game and died fighting to the last ditch. Red Bonnet's caught the game of his life, but had to bite the dust in the 9th inning. The score by innings was as follows:

1 2 3 4 5 6 7 8 9 R H E

Pennock-Meehan 0 0 0 0 0 0 0 0 0 0 0 4 4
Michell 0 0 0 0 0 0 2 0 0 0 0 11 1

On Saturday afternoon, August 5th, Michell play W. K. Harris at Darby, Pa.

New York Bowlers.

On Aug. 11 the last bowling of the season will take place and Capt. Chadwick will select his Baltimore team. The Pierson balls have been won by Shaw, Scott, Kakuda, Munda and Chadwick. Scores on Friday evening, July 28, were as follows:

Donatson 167 133 187 Kakuda 140 150
Chadwick 175 153 180 Munda 142 155 140
Shaw 140 145 140

Notes.

The Chicago Carnation Co.'s case ball team lost its first game Sunday, 19 to 16, the Washington street team of Joliet being the victors.

The Chicago florists are not neglecting to bowl. Their team for the convention is doing good work and is full of enthusiasm, which is half the game.

The Chicago Florists' Club picnic proved a success financially as well as socially, notwithstanding the rain, and at the regular meeting of the club, Aug. 3, the members heard a full report from the committee.

Walter J. Pilcher, J. J. Beneke and William C. Smith visited the Belleville florists last Wednesday. On their arrival they were taken by A. S. Halsted, president of the St. Clair Floral Co. in his automobile, to the plants of E. W. Guy, A. G. Fehr, Gust Grossart, West End Floral Park and the St. Clair Floral Co. The party reported that all the places were in tip-top shape for the fall and winter season. An automobile ride throughout the city seeing all the sights wound up at the Elks Club for a late dinner at the mercy of Mr. Halsted and Mr. Smith, who were the only elks in the party.

SOME NEW THINGS.

A Paper read by E. G. Hill before the Illinois State Florists' Association.

As the Rose has "right of way" by general consent I will begin by considering a few new varieties both European and American which have recently come under my notice.

Juliet (Wm. Paul & Son) is unquestionably the finest and most distinct of all new roses—it is a garden variety of strong growth, making heavy upright canes and has the good quality of flowering throughout the season. The color is a marvel of glistening yellow, crimson and pink. This variety should make not only a fine rose for the garden, but a beautiful market pot plant. It has a strong infusion of Austrian copper or Persian somewhere in its lineage.

Edward Mawley (McGredy). This magnificent rose was pronounced by all who saw it at the National Rose Show at Regent's Park as being the very finest of all the Hybrid Teas. It is a glowing velvety crimson of shapely form, and good texture. If this variety will force it will be a fine addition to our winter-flowering sorts. No rose of recent years has had such a warm reception as was accorded this variety by the English public. It was named for Mr. Edward Mawley, the eminent secretary of the National Society. It is worthy of trial under glass.

Rayon d'Or (Pernet) is one of the most wonderful advances in color among the recently introduced roses and as seen growing by the thousands at Lyons, France, in the raiser's gar-

den was a sight never to be forgotten. It is a distinct Pernet variety, distinct in habit, free flowering, with a tendency in its yellow color and color of its petals hardly possible to find a more perfectly marbled and flaked variety. Mr. Pernet is very proud of this production of his. It is, however, a change among the Hybrid Austrian roses and it remains to be seen whether or not it will hold its foliage in our climate.

Beauty de Lyon (Pernet) was the winner of the Paris gold medal last year and a notably strong growing hybrid. This and Juliet should, on account of their extraordinary vigor, make good garden varieties. The color is coral red, shading to yellow; a very strong heavy grower with ample foliage and a flower large, full and globular; a magnificent bedder.

Jonkeer J. L. Mock hails from Holland and is one of the strongest in the family; it outgrows every other variety on our benches, and is constantly sending up heavy bottom breaks, each topped with a glorious flower in two tones of color, fiery red within, the outside of petals silvery, rosy white. Of fine rounding form; one of the largest in size; a grand rose. Awarded eight prizes in Europe.

Miss Alice de Rothschild. This is one of the Alexander Dickson varieties and as viewed in the nurseries at Newtownards looked like a veritable dwarf Marechal Neil. This should make a fine bedding or garden rose in this particular line of color, nothing being in greater demand than a deep yellow rose of fine rounded form for the border.

Mrs. Aaron Ward is a rose that compels admiration; first of all it is a very free grower, producing very handsome glossy foliage in great profusion, which it holds grandly when bedded out, it is one of the freest varieties that we know, and throws good long canes readily; Admiral Ward, the greatest amateur rose-grower in the country, names it as one of the six best bedders in our trying American climate; in the greenhouse it is a marvel of beauty, for beside having great strength of constitution, beauty and profusion of foliage, it forces readily, is extremely free, can be cut very tight for shipment, and opens beautifully; the color is a deep orange yellow seen in no other rose and it develops into a large rosette-shaped flower, glowing orange in the center shading to a medium yellow on the edges; you all know of its popularity in the East; it will soon be found in every forcing establishment.

Another aspirant for favor in the yellow class is Robert Scott & Sons' Molly, which is being accorded a very nice reception by the trade; it is notable for its freedom as a forcing variety, and for its good color. Yellow was soon become as popular as red, and as a forcing variety it is shown in the London and Paris exhibitions. The day when 'Marechal Niel' and 'Perle des Jardins' were the most popular of cut roses, and a dinner was lacking in elegance without them. Sunrise, Sunset and Sleep. Had would still be fine property for the cut-flower man if only they could be grown at a profit.

The Double Killarneys are awakening interest and will be found most

Heacock's Palms and Ferns

Home Grown, Strong, Clean and Well Established

ORDER NOW FOR FALL DELIVERY

We grow all our Kentias above 6-in. sizes, in cedar tubs made especially for us, avoiding breakage of pots in shipments and having other satisfaction to our customers, and while they cost us a great deal more than pots, we sell the plants for the same price. We ship these plants by the earload. With more class, our stock is much larger than ever before.

When in Philadelphia, call and see our stock before placing your order.
20 minutes ride by rail; 100 trains every weekday; Railway Station Jenkintown.

Joseph Heacock Company's Price List

Areca Lutescens				Kentia Belmoreana				Kentia Forsteriana			
Pot	Plants in pot	In. high	Each	Cedar	Leaves	In. high	Each	Doz.	Made Up.		
6-in.	3	26 to 28	\$1.00	Tub	6 to 7	34 to 36	\$2.50	\$30.00	Cedar	Plants	In. high
7-in.	3	36	2.00	7-in.	6 to 7	36 to 38	3.00	36.00	7-in.	4	36
8-in.	3	42	3.00	7-in.	6 to 7	40 to 45	4.00	48.00	7-in.	4	36 to 40
Cedar				9-in.	6 to 7	42 to 48	Hvy. Ea.	5.00	9-in.	4	40 to 42
Tub	Plants in tub	In. high	Each	9-in.	6 to 7	48 to 54	Hvy. Ea.	6.00	9-in.	4	42 to 48
9-in.	Several	48 to 54	\$5.00						9-in.	4	4-ft. Hvy.
9-in.	"	5-ft.	7.50						12-in.	4	6-ft. Hvy.
Cocos Weddelliana				Kentia Forsteriana				Phoenix Roebelinii			
Pot	In. high		100	Pot	Leaves	In. high	Each	Doz.	Pot		Each
2 1/2-in.	8 to 10		\$10.00	6-in.	5 to 6	28 to 30	\$1.00	\$12.00	5-in.	Nicely characterized	\$1.00
2 1/2-in.	10 to 12		15.00	6-in.	6	34 to 36	1.50	18.00	6-in.	18 to 20 in. spread	1.50
Kentia Belmoreana				Cibotium Schiedeii							
Pot	Leaves	In. high	Each	Doz.	Cedar	Spread	Each				
2 1/2-in.	4	8 to 10	\$1.50		Tub	4 to 5 feet	\$4.00 to \$5.00				
3-in.	5	12	2.00		9-in.	5 to 6 feet	6.00				
5-in.	6 to 7	18	\$0.50	6.00							
6-in.	6 to 7	24	1.00	12.00							
6-in.	6 to 7	26	1.25	15.00							
6-in.	6 to 7	28 to 30	1.50	18.00							
Tub	High	Spread	Each								
7-in.	18-in.	24-in.	\$2.00								
7-in.	20 to 24-in.	2-ft.	2.50								

Joseph Heacock Company,

Wyncote, Pa. Railway Station, Jenkintown.

useful for summer cutting owing to the additional petalage.

Here is one of the very curious incidents regarding the sporting of roses (or other plants). These sports very often appear simultaneously with different growers, as if a given space of time allowed the variation to work to completion. You will remember that the white form of Killarney appeared at several places about the same time; we found it on several of our plants the same year that it originated farther East, though none of our sports proved pure white.

Two years ago Richmond sported pink; not a very bright shade, but interesting, so we tried out a dozen plants of it; one of these pink Richmonds sported double, giving just twice as many petals as the average Richmond. Early this year, this double pink Richmond reverted back to the pure crimson scarlet, but retained the fullness of petals, so that we now have a finely doubled Richmond which held its form without dropping for full two weeks, and we hope to be able to fix this sport, believing that it will be valuable.

Orleans Rose. Here is what the market grower has been looking for—a dwarf Polyantha that promises to make an ideal pot rose—it is the showiest and prettiest of the pink "Baby" roses; a dainty little variety of beautifully rounded habit, huge bouquet of brilliant bloom, deep cerise with showy center of pure white, florets not crowded, but of beautiful arrangement. The color is irresistible; the plant grows like a weed, and the flowers are nearly "immortelle" in their lasting quality. We believe that they will outlast almost any other

rose in existence, with their stiff, paper-like texture.

This pretty little variety took Europe by storm, and will make a sensation as soon as shown in this country; I shall be greatly surprised if its introduction does not mark a new era in the pot culture of roses, and as if especially intended for a companion, is the inexpressibly lovely little Zelia Bourgeois, a pure white early flowering "Baby" that is as dense in its mass of snow color as a cherry tree in bloom, and of the utmost symmetry in habit.

Excelsa. A Wichuraiana with the same color as the popular Crimson Rambler. This is a veritable crimson or red-flowering Dorothy Perkins, and Mr. Walsh is entitled to great credit for having raised this charming novelty; one of its chief beauties is its glossy persistent foliage, combined with its high color.

Wm. Paul's Althea, Guillot's Marquise de Ganay, Pernet's St. Chaire, Lowe and Shawyer's Lady Hillingdon, Prince d'Arenberg (Souper and Notting), and Souv. de Gustave Prat are all decidedly out of the ordinary, with several others quite as good; it is a notable year for new roses. I realize that there are other aspirants for popular favor both at home and abroad, but I am speaking only of those with which I have had some personal experience.

I purposely refrain from mentioning our seedling, Rose Queen, which we are now disseminating, and also Sunburst, the French variety, which goes out next year, not because I could not say a great deal about them if I were to begin, for a man's seedling roses, and even his adopted novelties, be-

come very dear to his heart.

Following the Rose comes the Carnation. After the recent symposium in the trade papers, little is left to say, for they were sifted as the fine dust of the balance; among very recent novelties Pink Delight and Mrs. Ward seem absolutely sure of permanent place, Scarlet Glow wherever it can be grown with a strong stem, and Dorothy Gordon as a substitute for Rose Pink. It is not only a duty but a privilege to test the few offerings of the present year, as they have promise of outranking in their several colors, and we shall probably soon need substitutes to take the place of the four standards which are now so hard worked in every carnation establishment.

Wodenethe, is one of these aspirants for place, which will be sent out next year; it is probably the most perfect white carnation in existence and those who saw it in 1910 at Philadelphia and at the National Rose Show, will be ready to greet it with open arms when disseminated.

In Chrysanthemums we can hardly wait for autumn to roll around to see the Wells-Pockett and other accepted novelties display their splendors; it is one of the keenest pleasures of the floral year, and the long wait only whets the appetite.

Of last year's novelties which we are impatient to see again, are the magnificent Mrs. David Syme, R. F. Felton, Wells' Late Pink and Glacier. Strongly entrenched already in favor with the trade as money making "commercial" are Chadwick Improved, lovely in its purity of color; Chas. Razer, a grand white of perfect approved form for shipping; Canford

WE WILL EXHIBIT AT THE BALTIMORE CONVENTION

Dreers' Variegated Pineapples

ANANAS SATIVA VARIEGATA

We are the first to offer this most beautiful of all variegated foliage plants in quantity and at prices nearly as low as good Pandanus Veitchi can be purchased for.

You will make no mistake in giving these a trial. It will make a change and variation in your foliage plants which will be appreciated by your customers and which will prove a profitable investment to you.

1-inch pots, five plants	\$0.50 each
3-inch pots, five plants	1.00 each
6-inch pots, five plants	1.50 each

We will also show a full line of Seasonable Dreer Specialties and our staff of salesmen will be in attendance and will give full information regarding same.

If you are passing through Philadelphia, stop off and visit our Rarerton and Riverview Nurseries; an inspection of both of these places is certain to prove both pleasant and profitable.

HENRY A. DREER, 714 CHESTNUT STREET Philadelphia, Pa.



Pink, the pretty early English variety, Elise Papworth, a fine all round white for every purpose; Heston White and Winter Cheer, clean cut and close clipped, perfect in color tone. These will be added Golden Gem, round as a ball and compact, and the lovely new singles. What interest would be lost to the yearly procession should the 'mum family drop out'?

Among miscellaneous plants, Mr. Julius A. Peterson is to be warmly congratulated on his Lorraine, a fine Cincinnati. While surpassing the parent in beauty of habit and color, its splendid keeping qualities make a satisfactory house plant of wonderful effectiveness and durability, where the parent variety always gave concern for fear it might speedily "go down" on removal from the green house; Cincinnati probably ranks as premier of the entire list of pot plants.

Wilhelm Pfitzer of Stuttgart has given us a new white gladiolus, Europa, which in all probability will rank with America in necessary qualifications for the American trade; this is bound to meet a hearty reception.

Then there is the comparatively new Heliotrope Centefleur; it is worth all the other varieties put together where a mass of glorious color and waves of fragrance are desired; compact and clean, this variety will give the heliotrope a new place as a garden plant.

Some cutflower grower will soon take up and grow successfully the lovely double Gypsophylla, one of the prettiest things that I saw abroad. I am sure that its dainty beauty would make a place for it; it adds grace and elegance to any bunch of flowers where it is used.

To Antoine Wintzer belongs the credit of producing the finest cannas in existence, excepting one, King Humbert; his Venus was a revelation to every one who planted it, and now he has made a further record with Mrs. Alfred Conard, a lovely peach pink with petals as long as they are broad. The canna is no longer a foliage plant only, but is now a blooming bedder, producing the most stunning color effects procurable.

Nothing can excite more enthusiasm

among plantmen than the very excellent new hydrangeas raised by Mouillere and Lemoine; these varieties of the Hortensia type are certainly of interest to all who use this useful plant for pot culture. They are crosses between Hortensia, Otaksa Rosea and others of the class. There has been a long lapse of time between the old Hortensia and the present improvements. Bouquet Rose, Henri David, Mme. Mouillere, Radiant, Mont Rose—these are a few of the ten or a dozen distinct improvements in this noted family of plants.

A striking and beautiful novelty seen at Bruges, Belgium, was the new Marguerite, Mrs. F. Sander; it looked much like a chaste and beautiful anemone-flowered chrysanthemum; it is a glistening, pure white flower produced on long stems. I can imagine no more useful plant either for the production of white flowers or as a pot plant. If it does as well in America as it was growing and flowering at Bruges it will certainly prove a most valuable commercial plant.

This is far from a complete list of novelty offerings for the year, but enough to engage the time and attention of the progressive florist for the present.

CONSERVATION.

The Situation.

President C. S. Harrison, B. L. C. N. Nebraska Horticultural Society.

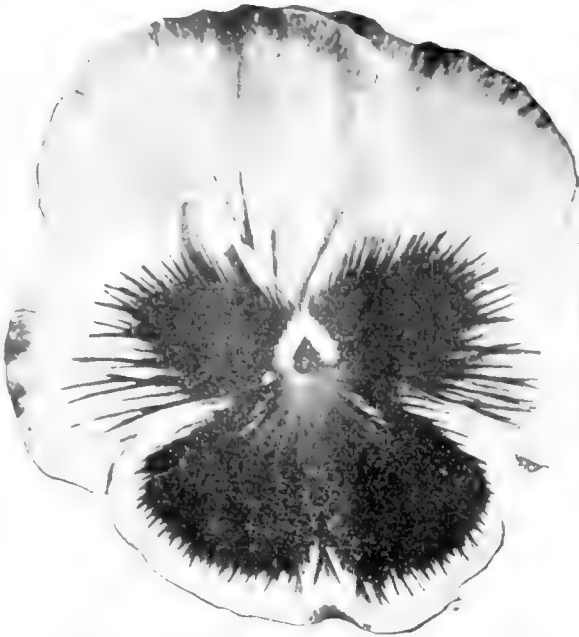
When the Creator turned this great land over to us it was a region of surpassing beauty. The whole country was landscaped on a most magnificent scale and with a far reaching forethought for the future. It was the patient work of ages to spread a thin layer of soil over the rocks and on the hills and mountain sides, and then fasten it there with trees, shrubs and grasses. Mighty rivers flowed to the sea fed by thousands of streams. These streams were carefully protected, forests, bushes and rank vegetation prevented the washing of the soil, while at the sources of all these rivulets there was the most careful planning to retain the waters. Dead leaves, decaying trees, mosses and the accumu-

lated deposits of the ages, all were like vast sponges to retain the waters so the streams would have an even flow. Mighty forests grew and decayed, and so as the centuries passed the land grew richer and richer.

How artistically all was arranged. There were often delightful parks in the forests, and when the woods edged upon the prairies there were tall trees in the background, shrubs to the front, then the flower sprinkled carpet of green. Go into the forests, the great temples of God. What massive columns upheld the dark green canopy. Look where you would in woodland, plain and mountain, the ages of the past had made preparations for the ages to come.

Graft and Greed.

Then came the two brothers, graft and greed. With no thought of care for the future. With no appreciation whatever of the plans of the Creator. They were ready to kill the finest horse if they could only get his hide. They would burn down a mansion if they could only get the nails. A careless government which today from its own natural resources could have had income enough for current expenses, allowed billions to be taken and destroyed. One of the most beautiful sights on earth is a splendid forest. One of the saddest spectacles is to see that same forest the prey of the ax and fire—those blackened stumps like the grave-stones of departed grandeur. If the lumbermen had planned for the most speedy and utter ruin he could not have prepared a more complete system. He took only half of the tree and left the rest to dry for the great tinder box. The fires came. All that dead rubbish was ready for them. Not only was the dead brush burned, but the age-long deposit of dead leaves, rotten logs and rich mold planned to feed the soil for the coming eons; all was destroyed and a garden of Eden became a blackened wilderness. How the ruin has spread! Within the memory of man the mighty forests of Indiana and Ohio were chopped down and burned. If left till today they would be worth more than all the crops grown there since their destruc-



PANSY—Boddington's "CHALLENGE"—All Colors

This mixture contains all the finest Giant strains—of the leading Pansy Specialists in the world—the Giant self-colors, the Giant striped and margined, and the Giant blotched, etc., all carefully mixed in proportion—the finest that money can buy—the finest your money can buy. A florist who has grown it said, "Why don't you call it Defiance?"

Trade pkt., 50c; 1/2-oz., 75c; 1/4-oz., \$1.50; 1/2-oz., \$2.75; oz., \$5.00

PANSY SEED TIME

Choice Varieties of Giant Pansies

	Trade pkt.	1/4 oz.	Oz.
Giant Trimardeau. Improved mammoth-flowering in good range of color.	\$0.15	\$0.50	\$1.50
Giant Masterpiece (Frilled Pansy). Petals beautifully waved, exquisite colors.	.15	.85	3.00
Cassier's Giant. A fine strain of large highly colored flowers.	.15	.85	3.00
Giant Bugnot's Stained. Exhibition. Extra choice flowers, large and plenty of light colors.	.50		
Giant Madame Perret. A recent introduction, by a celebrated French specialist; of strong, free growth. Especially rich in red shades.	.15	.85	3.00
Giant Fire King. Brilliant reddish yellow, with large brown eyes.	\$0.25	\$1.00	\$3.00
Giant Lord Beaconsfield. Deep purple violet, top petals light blue.	.15	.50	1.50
Giant Canary Bird. A five-spotted yellow variety. Ground color, is a deep golden yellow and each petal is marked with a dark blotch.	.15	.85	3.00
Giant Orchidea-flora, or Orchid-flowered Pansy. Splendid variety. Beautiful shades of pink, lilac, orange, rose, terra cotta, chamoise, etc.	.25	1.25	4.00
Giant Emperor William. Ultramarine blue, purple eye.	.10	.50	1.50
Giant Golden Queen. Bright yellow, no eye.	.15	.80	2.00
Giant Golden Yellow. Yellow, brown eye.	.25	.75	2.50
Giant King of the Blacks (Faust). Black.	.15	.80	2.00
Giant President McKinley. Golden yellow, large dark blotch.	.15	.85	3.00
Giant Prince Bismarck. Yellowish bronze, dark eye.	.25	.75	2.50
Giant Rosy Lilac.	.15	.60	2.00
Giant Pretiosa. Crimson-rose, white margin, violet blotch.	.15	.80	2.00
Giant White. Violet spot, the largest white.	.10	.50	1.50

ARTHUR T. BODDINGTON, Seedsman, 342 West 14th St., NEW YORK

tion. Take Arizona for instance. The forests have been cut from the mountains, the rubbish inviting the fires and the fires never miss an invitation. Greed drove in great flock and herds of sheep and cattle. They have destroyed the herbage which fastened the thin layer of earth to the rocks. The floods came and ripped the earth from the mountain sides and whirled avalanches of mud into the fertile valleys, often plowing out great gullies 20 and 30 feet deep through the rich soil and all hurried on to fill the river beds. Now when the floods come there is nothing to detain them and the people of Texas must suffer from the vandalism of Arizona, just as the people of our southern states must loose millions from the rapaciousness of northern lumbermen who for the dollar for today would mortgage the whole future of those who must suffer from their greed.

Go into Colorado and vandalism is there. The mountains are robbed of their beauty. The upland pastures are over-fed and you have desolation instead of beauty. A pioneer in the Rockies said, "I think we early settlers should have great credit in coming in here and starting things." I replied, "If you never had seen this country and had left it today as God made it, it would be worth five times as much as it is now."

Robbing the Land.

There are no richer lands on earth than the great prairies of the West and

here in God's richest garden there have been two sources of disaster. The first is cropping lands without remuneration, raising wheat year after year with no manure, till some of the richest farms of Minnesota are now so reduced they will hardly raise chicken feed. This system of waste applies to rich level lands. There is a double-system applied to hillside lands robbing the soil and allowing it to wash. Stand by any of our streams after a heavy rain and you will see the very cream of our fields going to the Gulf of Mexico. It is waste, waste, everywhere. Most feeders will have their feed lots perched on some steep hillside if they can find such a place, so that the richest fertilizer the world produces can be utterly swept away without any trouble on their part, and they keep on growing 25 bushels of corn to the acre, when by saving the manure and plowing their land deep they might have 100 bushels. Our coal lands with their marvelous deposits have been well nigh given away. I have seen veins of coal 11 feet deep which the wise U. S. Government sold for \$10.00 per acre. Streams with waterfalls that were gold mines have been parted with for a song.

The Man of the Hour.

What wonder in the midst of all this ruin that "Great Heart" should arise. He looks on the past and then on the present, and then into the future, and he asks himself what will become of this nation 200 years from now. On

the ordering of Providence, when a tremendous crisis comes there is always a man to meet it. This time it was Gifford Pinchot, by education one of the best foresters the world has produced. A man of means he is ready to sacrifice thousands for the future. He might have made judicious investments in the great West, he knew so well, so he could have become a billionaire. He could have taken his chances in an unguarded moment and captured forests, water powers and coal lands. No man since the days of Robert Morris, who furnished the sinews of war for Washington and then died in a debtor's prison, has done more or made greater sacrifices than Mr. Pinchot. Though for the present he has lost his position he is yet a king, independent of throne or crown. Few men have shown such a fearless persistence in the face of the most determined opposition. There were thousands of men who had pet plans for the future. They wished to put their hands on the nation's wealth. Cattle men and sheep men, who for years had been allowed to ruin young forests and destroy pastures by over-feeding; these rose in arms and what a clamor they raised!

Rangers vs. Cowboys.

The cattle men wanted fires. Some of the cowboys had it worked down to a fine art. Here was a tract they wanted burned. Then might be caught. One takes a magnifying glass and sets it

(Continued on page 154)

BOBBINK & ATKINS

WORLD'S CHOICEST FLORIST AND NURSERY PRODUCTS.

We are growing in our greenhouses and in our 250 acre nursery a large variety of material constantly in demand by florists. Our Illustrated General Catalogue describes all the stock we grow. We shall gladly mail it to any florist upon application.

B. & A. SPECIALTIES.

PALMS, BAY TREES, BOXWOOD AND HARDY HERBACEOUS PLANTS, EVERGREENS, ROSES, RHODODENDRONS, VINES AND CLIMBERS, AUTUMN BULBS AND ROOTS, CONIFERS, PINES.

Florists are always welcome visitors to our nurseries. We are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

Nurserymen and Florists

Rutherford, N. J.

American Grown Roses

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens.

Write for Trade List. **W. & T. SMITH CO.** Geneva, N. Y.

HARDY NORTHERN GROWN NURSERY STOCK

WE GROW EVERYTHING FOR PLANTING THE HOME GROUNDS
A GENERAL ASSORTMENT OF

Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc., Etc.

Our Illustrated and descriptive Catalogue for the asking

THE BAY STATE NURSERIES,

North Abington, Mass.

LILY BULB NOTES.

Market Wharf certainly presented a scene of activity for a short time towards its "Daisy end" on Thursday morning last shortly after 7 o'clock. First of all came the Daisy from St. Davids loaded up or down, just as you choose to call it, with an extraordinary choice assortment of Lillium Harrisii bulbs from 5s. to beyond extras in size and in appearance, said never to have been surpassed. These bulbs were from St. Davids Island, where we understand some very good as well as very bad lilies have been raised this season, for parties at the West End. Some few weeks ago we asked one of the growers concerning the lily crop on St. David, for this season and he replied that it was awfully bad, but the bulbs sent this morning looked certainly good. *Royal Gazette, July 22, 1911, p. 10.*

Isaac Bunting, the London exporter, is shipping from his Japanese ranch lily bulbs to the States for Von Zonneveld Bros. & Philippo packed in larger cases of four cubic feet and of heavier weight. This is a new method of packing and it will be interesting to know how the bulbs will stand the long journey. Small cases have been generally thought advisable, owing to the danger of rot if too many bulbs were packed in one case.

Up to and including shipments to July 10, 1911, there were exactly 600 cases of lily bulbs shipped from Japan, principally to Europe, via Pacific ports.

The crop of Formosas is reported

to be short in small sizes and long on large sizes of 10 inches upward.

SEED TRADE NOTES.

Florence, S. C.—The Palmetto Nurseries, T. De Witte House, proprietor, intend adding a seed department to their business.

Northfield, Minn.—The Northfield Seed Co. has purchased the nursery business of C. P. Nichols. Mr. Nichols will retain the flower and greenhouse departments.

Kansas City, Kan.—The Rudy-Patrick Seed Co. has been incorporated with a capital stock of \$40,000. Incorporators, Frank Rudy, Howard S. Patrick and John W. Miller.

Yonkers, N. Y. There is being erected for W. B. Thompson a range of houses which will embrace fruit, cut flowers and commercial plants. The genial superintendent, R. L. ... man, piloted the writer over the grounds and pointed out several houses in course of construction. The plan includes an approach from a height by a succession of steps leading from the mansion now in course of erection and which will command a grand view of the Hudson river. The dome of the palm house located at the centre of the group will be 100 feet high.

Headquarters for

FALL BULBS

Send for Trade List

John Lewis Childs

Flowerfield - LONG ISLAND, N.Y.

There have been over one hundred varieties and grades of rice grown in Japan. The difference in quality is very great, but how much does your Grocer know about rice? Now if a salesman came to you to sell Mining Stock you would likely want to know something about the mine; where it was; how much per ton the raw material was worth; the cost of producing it at the market price, etc. But if a bulb salesman offered you Japan bulbs you would never think to ask him from what part of Japan they came from, how the fields look, or anything about them. Funny, isn't it? Well the fact is, not one out of ten know anything about it. With them "pigs is pigs" and "bulbs is bulbs" and the lower the selling price the better for them. However, there is a difference in lily bulbs and that difference has cost many a grower more than he realizes or cares to admit—and all is due to his anxiety to save a penny the wrong way. The best Giganteum produced today are labelled Horseshoe Brand. They are incidentally about the best in lily bulbs any man could buy. Don't believe what we say about them, because we know about them and you don't—so try them—that's the way to tell—and compare your profits. Write for prices.



Not How Cheap
But How Good

Ralph M. Ward & Co.

12 West Broadway
NEW YORK CITY

Bamboo Canes, Cold Storage
Giganteum, Formosas, Magnificum and Auratum ready
for delivery now or later.

Seed Trade

A young seedsman, now visiting the great seed growing establishments of Continental Europe for the first time, writing of his experiences, says: "We have not yet got all the good things in horticulture in the United States." True! but we are getting them, and we are getting them more and more rapidly with each succeeding year.

Fordhook is an example of the introduction of the European system of trials of varieties of flowers and vegetables. Our leading seedsmen and seed growers now make comprehensive trials of the principal kinds of seeds they sell or grow.

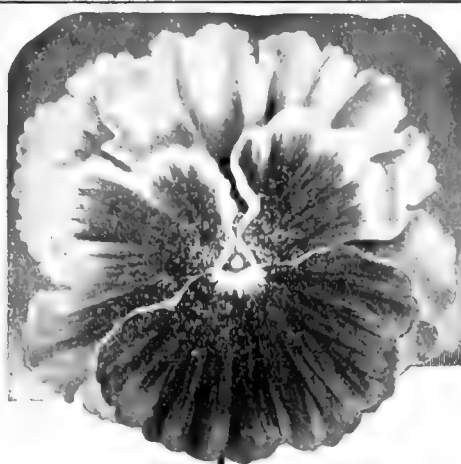
The Fordhook trials this season comprise, firstly, sweet peas, of which there is a most complete assortment, not only of the hundreds of varieties now cultivated, but of several growers' stocks of each variety, thus demonstrating their quality and purity of each; secondly, cabbages, savoy, Brussels sprouts, cauliflowers, broccolis, kales, kohlrabis and other brassicas in great variety, and from many sources. The lessons learned are well worth the pains taken, not only to the seedsmen and growers, but to their patrons; the selection and listing of the most desirable sorts and the selections of the best strains of these are of inestimable value. For instance, we note that the old pointed Jersey Wakefield cabbage is still unexcelled for earliness, but many of the stocks of it have become so degenerate that only by growing those of the different producers side by side may the seedsman be reasonably sure of supplying his customers with seed of high grade. The trial also brings to view new varieties of excellence like the Danish Early Market, which in point of earliness is a close second to the Jersey Wakefield, somewhat larger and quite ball-shaped; thirdly, lettuces occupy a large section of these trial grounds. The freak sorts

are omitted, but no really good form in any of the numerous types of lettuces is absent.

The Fordhook trials include many kinds of vegetables and flowers in addition to those already mentioned. Such work is most encouraging horticulturally, for it insures the dissemination of improved sorts and the discarding of inferior ones.



Copenhagen Market Cabbage.



MICHELL'S

Giant Exhibition

PANSY

The "Distinctive" Florist Pansy

Gigantic in size, robust in texture, beautiful in form and gorgeous in coloring, are only a few of the descriptions we can give in this limited space.

Spring City, Pa.
The Giant Exhibition Pansies, seed of which I purchased of you last Fall, are now in bloom. I wish you could see them. The flowers are of the largest size and finest colors. I have grown Pansies for the last twenty years and thought I had the best, but I must say yours take the cake; they must be seen to be appreciated.
A. S. C.

30c per 1/2 trade pkt.; 50c per trade pkt.; 75c per 1/2 oz.; \$5.00 per oz.

WE CAN FURNISH ALSO ALL OTHER STRAINS OF PANSIES

Write for our Wholesale July Catalogue, just out.

HENRY F. MICHELL CO., 518 Market St., Philadelphia, Pa.

Notes.

Young celery plants are almost impossible to be obtained in New York. What few stocks are available bring from \$7.00 to \$7.50 a thousand and even at these extraordinary figures orders cannot be filled.

Writing July 28th from Ogden, Utah, Howard M. Earl reports that he had not yet inspected the crops in that locality—having just arrived there after inspecting crops in New York State and Michigan. In the latter states, peas promise a very poor crop again this year.

Effects of the drought on the grain and cereal markets of the Central West were shown yesterday in the first transaction in Timothy seed shipped to St. Louis from Creston, Ia. There were five bags in the shipment, consigned to the Eaton-McClelland Commission Company. It was sold on the floor of the Merchants' Exchange to the A. W. Schisler Grain Company of 310 North Fourth street, at \$15.33 per 100 pounds. Last year at this time the ruling price for Timothy seed was \$3.50 to \$4 for 100 pounds. The price yesterday is the highest on record at the St. Louis market.—*St. Louis Globe Democrat*, July 22.

COLDWELL LAWN MOWERS

Hand—Horse—Motor

Known All Over the World

Catalogue on Request.

NEWBURGH, N. Y.

AT SURPRISINGLY LOW PRICES FOR SALE—NEW CROPS

500,000 lbs. TIMOTHY SEED
250,000 lbs. CRIMSON CLOVER
1,000,000 lbs. KAFFIR CORN

We sell many things at lower prices
than you can possibly buy elsewhere.
Try us.

Our Reference—The Publishers of
this Paper.

J. BOLGIANO & SON

Founded 1818—Established 93 years

Office and Salesroom—LIGHT, PRATT and ELLICOTT STREETS
Pier and Poultry Food Plant—MONTGOMERY STREET and THE HARBOR

BALTIMORE, MD.

TURNIP SEED
BEANS

For immediate delivery

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

Wholesale
SEED GROWERS AND DEALERS

SEEDS, PLANTS, BULBS

All seasonable kinds of best
quality

Special prices on large lots

JAMES VICK'S SONS,
Seedsman
ROCHESTER, N. Y.

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed
only to those who plant for profit.

BRIDGEMAN'S SEED WAREHOUSE
RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

FINEST FLORISTS' SEEDS

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.



Import Bulb List

Well Worth Reading
SEND FOR A COPY

The W. W. Barnard Co.
108-110 W. Kinzie St., CHICAGO

CAULIFLOWER SEED
CABBAGE
MANGOLD, SWEDE, TURNIP
LILY OF THE VALLEY PIPS
HJALMAR HARTMANN & CO.
COPENHAGEN, DENMARK.

In ordering goods please add "I saw
it in HORTICULTURE."

Farquhar's Flower Seeds for The Florist

Write for our Wholesale
Catalogue

R. & J. FARQUHAR & CO.
Boston, Mass.

Established 1820

Thorburn's Seeds

Asparagus Plumosus Nanus

New Crop Just Received

We offer while unsold as follows:

1,000 seeds	\$2.50.
5,000 seeds and up @	\$2.25 per 1000
10,000 seeds and up @	2.00 per 1000
20,000 seeds and up @	1.75 per 1000

Cold Storage Lily of the Valley Pips

HIGHEST GRADE

Cases of 1000 pips @	\$13.00 per case
Cases of 3000 pips @	36.00 per case

J. M. THORBURN & CO.

33 Barclay Street
NEW YORK

CHOICE SEEDS

FOR PRESENT PLANTING
Stocks, Asters, Chinese Primulas,
etc.

THOMAS J. GREY CO.
32 South Market Street, Boston, Mass.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Aldine 880. Aldine 881. Aldine 882.

SAMUEL MURRAY

Kansas City, Mo.

913 Grand Ave.

All Orders Given Prompt and Careful Attention



**WASHINGTON,
D. C.**

GUDE'S

The Far-Famed Flowers of

TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP
96 Yonge St., - - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE

Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.

Members Florists' Telegraph Assn.

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

San Francisco, Calif.—Luke's Flower Shop, Powell street, has been discontinued.

Lincoln, Neb.—A three-story building is being erected by Chapin Bros. to be occupied by their store and the Lincoln Gas Co.

Salt Lake City, Utah.—Property at the corner of First South and Second West street has been purchased by F. A. Huish, for greenhouse purposes.

Fargo, N. D.—The Fargo Floral Co., J. D. Smedley, has incorporated with a capital stock of \$25,000. They intend to build three greenhouses as is reported in another column.

The Ayers Floral Co., St. Louis, have completed their improvements at their Grand Ave. Store. The place, under the new management of Mr. Geddes, has a handsome appearance in and outside.

Grand Rapids, Mich.—A two-story, cement block, combination potting

STEAMER DEPARTURES

American.	
St. Louis, N. Y.-S'hampton...	Aug. 12
Anchor.	
Columbia, N. Y.-Glasgow....	Aug. 12
Atlantic Transport.	
Minnetonka, N. Y.-London...	Aug. 12
Cunard.	
Lusitania, N. Y.-Liverpool...	Aug. 9
Carmania, N. Y.-Liverpool...	Aug. 12
Hamburg-American.	
Amerika, N. Y.-Hamburg....	Aug. 12
Holland-America.	
Rotterdam, N. Y.-Rotterdam...	Aug. 8
Ryndam, N. Y.-Rotterdam...	Aug. 15
North German Lloyd.	
K. Wilhelm II, N. Y.-Bremen...	Aug. 8
Barbarossa, N. Y.-Bremen...	Aug. 10
Bremen, N. Y.-Bremen....	Aug. 15
Red Star.	
Lapland, N. Y.-Antwerp....	Aug. 12
White Star.	
Adriatic, N. Y.-Liverpool...	Aug. 10

shed and boiler room, is being built by the Wealthy Avenue Floral Co.

The Grand Rapids Floral Co. is building a cement block, two-story storage barn.

H. Bayersdorfer & Co., Philadelphia, have been working for several months on a new and elaborate illustrated catalogue of florists' supplies which will be ready for distribution about September first and will be one of the finest productions in that line ever issued.

Denver, Colo.—The lease of the store occupied by the Scott-Martin Floral Co. has been secured by George H. Cooper. He will conduct a flower store there, still continuing his store at 823 Fifteenth street. F. Tinker will be in charge of the new store.

The flower stand of Thomas McDonald, Fifteenth and Lawrence Sts., has been closed.

NEW FLOWER STORE.

Sheridan, Wyo.—The Best Floral Co., East Loucks street.

ALEX. McCONNELL

**571 FIFTH AVENUE
NEW YORK CITY**

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill

Cable Address, ALEXCONNELL

NEW YORK

Orders for Steamer, Theatre, Hotel, or Residence Carefully Filled.

Wm. H. LONG

412 Columbus Ave.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph and Cable address, Dardspier

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points, New York City, New Jersey, etc. At Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

MATTHEWS The FLORIST

DAYTON, OHIO.

Is elegantly equipped to take care properly of all orders for flowers entrusted to him night or day.

For Dayton, Ohio and Vicinity

"THE HOME OF FLOWERS"

The largest cut flower store in America. Orders for the TWIN CITIES and for all Northwestern points given prompt attention.

HOLM & OLSON, Incorporated

ST. PAUL, MINN.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your retail orders to

EDWARD MACMULKIN

194 Boylston Street, Boston

**LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.**

IN MID-SUMMER

Yes, it is now mid-summer. For a few weeks to come you will have to be wide-awake to catch the little chunks of business that occasionally materialize in this low-tide period.

LET US HELP YOU

Whether mid-summer or any other season we are always "on our job" and can give you more and better goods than you can get for your money anywhere else. Our H. Bayersdorfer's novelty purchases in Europe this summer are beginning to arrive. "Are you on?" Write us a line and we'll send you a list. At same time try a few of our Preserved Natural Ferns, Magnolia and Cycas Leaves, etc. They never wilt. Once tried always wanted.

H. BAYERSDORFER & CO., 1129 ARCH STREET, PHILADELPHIA, PA.

CHICAGO NOTES.

Dynamite Explosion.

The Washington Park Conservatories suffered from an explosion of dynamite early Sunday morning, July 30th. The dynamite had been concealed in a clump of shrubbery and considerable damage was done to the glass and frame work of the greenhouse. Supt. Foster is unable to give any possible cause as there was no trouble with the help. The night watchman was fortunately at the farther end of the building and no one was hurt. The loss is estimated at \$200.

Trade Jottings.

The A. Henderson Co. have rented room 420 in the Atlas Block and took possession August 1st.

Frank A. Benthley has gone into partnership with Mr. Briscoe at Tipton, Ind., and the firm name is now Briscoe & Benthley.

Gus Canger has sold his retail business at 39 W. Randolph street to Gus Constantino. He will continue to operate the store at 29 E. Randolph.

Kroeschell Bros. are getting a car load of their boilers off to the Baltimore Convention. They have engaged 320 square feet of space and will show

a complete collection of all boilers adapted to greenhouse use.

The Foley Manufacturing Co. are extremely busy these days filling orders from the many florists who are building this season. A new catalogue is under way which when complete will contain much valuable information to those about to build.

N. J. Rupp of the J. C. Moninger Co. will attend the convention in the interest of his company. Their latest catalogue on greenhouse material is just ready for distribution and contains much valuable information, illustrated with cuts of their houses from New York to California.

Phil Eichling, for six years with Harry Rowe, the Palmer House florist, and Wm. Wadsworth, for many years with the Geo. Wittbold Co., have gone into the landscape business together. The new firm will be known as the Northwestern Nurseries with office at 1518 Chicago avenue, Evanston, Ill.

Our retailers in the extreme southern part of the city are having their full share of the trade this summer and keeping their stores up as attractively as their up-town competitors. Miss Keenan, who has charge of the store at 1306 E. 63rd street, has a particularly attractive window with an aquatic tank as a central feature. This week the water was clear with gold fish. Last week it was a lily pond, etc. Branches of green give the appearance of a woodland retreat.

Personal.

August Lange and family returned Monday from Colorado Springs, Colo.

W. H. Kidwell returned from his summer hotel at Eagle Lake, Mich. last Monday.

Miss C. Paradise of Vaughan & Sperry's left Saturday for two weeks at Bass Lake, Ind.

Miss Nettie Parker of the Chicago Carnation Co.'s office is spending two weeks on a lake trip.

Miss Harper of the E. H. Hart office will have her outing at White Lake, Mich. with her sister.

Robt. Northam, manager for Geo. Reinberg, has returned with his family from two weeks at White Lake, Mich.

Miss A. Olsen, bookkeeper at A. Lange's, will have a long rest this summer, going with a party to spend six weeks at Pawpaw Lake, Mich.

A. I. Simmons has been kept busy attending to the wants of the soldiers at the National Military Tournament last week, where he has charge of the commissary department.

At the W. W. Barnard retail seed store on 5th avenue all the employees have had vacations. W. L. Rouse returned from Michigan, Monday, and Mr. Stewart, who was driven home by the heat last month, will try again in August. All the equipment for the new store on Madison street is being made and will be of the best. W. W. Barnard has just returned from an eastern trip.

Visitors for the week were H. E. Kidder of the Ionia Pottery Co. and mayor of the flourishing town; August Dressel, Crown Point, Ind.; Mr. Scheffler, manager for E. T. Wanzer, Wheaton, Ill.; E. Welke, Milwaukee, Wis.; Mr. Metz, Odell, Ill.; H. Philippott, Winnepeg, Man.; D. P. King, Louisville, Ky.

INCORPORATED.

Columbus, O.—Northern Orchards Co., capital stock \$10,000.

Pawpaw, Mich.—Wolverine Co-operative Nursery Co., capital stock increased from \$15,000 to \$25,000.

New Haven, Conn.—Doolittle Floral Co., capital stock \$25,000. Officers, Amasa L. Doolittle, Henry Kelsey, Wm. H. Long and Frank S. Platt.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Amsterdam, N. Y.—Hatcher.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edw. MacMulkin, 194 Boylston St.
Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's 304 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Dayton, O.—Matthews, The Florist.
Denver, Col.—Park Floral Co., 1643 B'way.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Kansas City, Mo.—Samuel Murray, 912 Grand Ave.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 611 5th Ave.
New York—W. H. Long, 412 Columbus Ave.
New York—Young & Nugent, 42 W. 28th.
New York—Dards, N. E. cor. 44th St. and Madison Ave.
St. Paul, Minn.—Holm & Olson.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.
Washington, D. C.—Gude Bros., 1214 F St.
Wellesley, Mass.—Tailby.

Hatcher

Estab. 1877

LEADING FLORIST

Amsterdam, N. Y.

Schenectady, N. Y.

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points

THOS. F. GALVIN
124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Riverside Hall
Schools. **TAILBY, Wellesley, Mass.**
Tel. Wellesley 44-1 and 2. Nig. 44-3

ASTERS

Good stock, \$1.00—\$1.50 per 100
Choice stock \$2.00 per 100
Fancy stock \$2.50—\$3.00 per 100

White—pink—purple. Flowers above the average in quality. They are more plentiful now. You can depend on us to fill your orders with carefully selected stock.

The Leo Niessen Co.

Wholesale Florists

1200 Arch Street, - PHILADELPHIA, PA.

To Cut Flower Growers and Retail Florists

IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

THE BEST LETTERS

FOR THOSE
FLORIST'S MADE
USE BY THE

R

Boston Florist Letter Co

64 PEARL ST., BOSTON

N. F. McCarthy, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock.

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

PETER REINBERG
WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

33-36-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

George B. Hart

WHOLESALE
FLORIST

24 Stone St., Rochester, N.Y.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention to shipping orders. Jobbers of Florists' Supplies, Seeds and Bulbs. Price list on application.

Phone Main 584. 316 Walnut St., Cincinnati, O.

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	BOSTON Aug. 3	CHICAGO July 25	ST. LOUIS Aug. 1	PHILA. Aug. 1
Ara. Beauty, Fancy and Special...	15.00 to 25.00	20.00 to 25.00	20.00 to 25.00	25.00 to 30.00
" Extra	12.00 to 15.00	15.00 to 20.00	15.00 to 18.00	15.00 to 20.00
" No. 1	8.00 to 10.00	10.00 to 12.00	8.00 to 10.00	8.00 to 10.00
" Lower grades	2.00 to 4.00	6.00 to 8.00	4.00 to 6.00	2.00 to 4.00
Richmond, Chateaux, Fancy & Spl.	4.00 to 6.00	6.00 to 10.00	3.00 to 6.00	4.00 to 6.00
" Lower grades	1.00 to 2.00	3.00 to 5.00	1.00 to 2.00	1.00 to 2.00
Killarney, Maryland, Fan. & Spl.	4.00 to 6.00	6.00 to 10.00	3.00 to 6.00	4.00 to 6.00
" Low grades	1.00 to 2.00	3.00 to 5.00	1.00 to 2.00	1.00 to 2.00
Bride, 'Maid	1.00 to 4.00	3.00 to 8.00	2.00 to 4.00	2.00 to 4.00
Kaiserin, Carnot	3.00 to 8.00	5.00 to 8.00	2.00 to 6.00	2.00 to 8.00
CARNATIONS, First Quality	1.00 to 1.50	2.00 to 2.50	2.00 to 3.00	2.00 to 2.50
Ordinary	.50 to .75	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
MISCELLANEOUS				
Cattleyas	40.00 to 50.00	30.00 to 50.00	..... to 75.00	60.00 to 75.00
Lilies, Longiflorum	6.00 to 8.00	5.00 to 8.00	8.00 to 10.00	10.00 to 15.00
Lily of the Valley	2.00 to 4.00	2.00 to 4.00	3.00 to 4.00	2.00 to 4.00
Gladioli	3.00 to 5.00	3.00 to 10.00	5.00 to 8.00	2.00 to 6.00
Stocks	1.00 to 1.50	..... to .....	..... to .....	..... to
Asters	.50 to 3.00	..... to	1.00 to 5.00	..... to
Daisies	..... to .50	.50 to 1.00	.50 to .75	..... to
Snapdragons	2.00 to 3.00	..... to .....	..... to .....	..... to
Sweet Peas	.25 to .50	.50 to 1.00	..... to .....	.25 to .50
Gardenias	..... to 25.00	..... to .....	..... to	6.00 to 10.00
Adiantum	1.00 to 1.25	..... to 1.00	1.00 to 1.25	.75 to 1.00
Smilax	12.00 to 15.00	15.00 to 18.00	12.50 to 15.00	..... to 15.00
Asparagus Plumosus, strings (100)	..... to 50.00	50.00 to 60.00	35.00 to 50.00	..... to 50.00
" " & Spreng. (100 bchs.)	..... to 40.00	25.00 to 40.00	15.00 to 25.00	25.00 to 50.00

J.A. BUDLONG

82-84-86 E. Randolph St., Chicago

OUR STOCK IS A-1 AND IT IS QUALITY NOT
PRICES THAT TALK

Chicago Flower Growers' Association

Wholesale Growers of Cut Flowers and Plants

176 N. MICHIGAN AVE., BETWEEN RANDOLPH AND LAKE STREETS, CHICAGO

TRY MY PRICES.

J. JANSKY, Tel. Main 3652-1, Boston, Mass.
19 Province St.,
Manufacturer of Florist Wire Designs,
All kinds of Florist Supplies.

New crop Dagger and Fancy Ferns, \$1.75 per 1000. Green and Bronze Galax, 90c. per 1000; by the case, \$7.50. Boxwood, 50-lb. cwt., \$7.50; by the lb., 25c. Laurel Wreaths, 10-inch, \$1.75 per doz.; 12-inch, \$2.25 per doz.; 14-inch, \$3.00 per doz.; 16-inch, \$4.50 per doz. Laurel Trimming, 4 and 5c. per yd.

HENRY M. ROBINSON & CO.

15 Province St., 9 Chapman Pl.,
BOSTON, MASS.

Everything in Flowers

Complete Stock of Florists' Greens,

Three Floors of Florists' Supplies.

Flower Market Reports.

BOSTON The business of the current week seems to have been generally satisfactory. Out-of-town trade has been disposed to take about all the stuff really fit for shipment. The two new roses—Radianee and Prince de Bulgarie—(the latter misnamed Mrs. Taft by some people) are making an excellent record in this market. There is nothing here or elsewhere, however, in the rose line to equal the superb Carnots seen every day at Welch Bros., who have a corner on this stock. These flowers are worth traveling a long distance to see. Liliun speciosum is a good property just now, bringing all the way from \$1.50 to \$4.00 per 100. The best lily of the valley ever seen in this market or elsewhere is here now and worth more than the price at which it can be sold.

BUFFALO Flowers were not plentiful the past week though there was about enough of everything to go around. Roses were in good demand, also gladioli, asters, lilies and other material and the market was cleaned up daily. Asters are coming on a little better although mostly with short-stems and small blooms. Only a few choice blooms are seen. A good rain is badly needed for the later crops.

CHICAGO The summer trade hardly held up to the average of the month during the closing week in July. There was no special reason for it other than that the demand, which has been fully up to any other July and quite possibly in excess of it, relaxed a little. Shipping orders showed less difference than local trade. All kinds of stock have been benefited by the low temperature of the last half of the month and will be a help with August, which promises warmer weather again. The new month starts in with a good supply of early asters, but the quality is not up to former years and the stems are, in the main, short. A very small proportion are cut with twenty-four-inch stems, and by far the greater portion with one-half that length. Summer roses can now be said to be up to the average in quality and American Beauties are daily being cut with longer stems while the flower itself is very good. Gladioli are coming in in quantity and the best varieties sell well. Fancy ferns now bring \$1.50 per 1000.

DETROIT Local market conditions are unchanged and retailers are many times put to their wits end to know what to supply. Carnations and sweet peas, as many other summer flowers, are completely played out. Asters are coming a little better, but in small quantity with no large amounts in sight. Robt. Klagge is beginning to send in large numbers of roses among them a very good La Detroit. Fred Breiteneyer is shipping very good Beauties. The carnation situation is unchanged, in fact it is getting too late now for occasional rains to improve the plants. On the other hand the outlook for chrysanthemums is very good.

ST. LOUIS Since we have had a few light rains and cool nights the cut stock is looking much better than it



ASTERS

The early and mid-season varieties are now in quantity, good sized flowers with long stems, splendid quality; pinks, purples and whites. Orders of any size can be taken care of on short notice. Shipments reach us daily about 8 a. m. This has been a trying season for Asters. Our growers have been particularly fortunate, and our quali-

ties are, therefore, above the average. The best values going! We take no credit for this. It is Fate.

\$1.00 to \$2.00 per hundred.
Extra choice \$3.00 per hundred.

S. S. PENNOCK-MEEHAN CO.

THE WHOLESALE FLORISTS OF PHILADELPHIA

NEW YORK
109 W. 26th Street

PHILADELPHIA
1608-1620 Ludlow Street

WASHINGTON
1212 New York Ave.

WHOLESALE FLOWER MARKETS.—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	CINCINNATI July 25	DETROIT July 31	BUFFALO Aug. 1	PITTSBURG Aug. 1
Am. Beauty, Fan. and Sp.....	25.00 to 5.00	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00
" Extra	15.00 to 25.00	15.00 to 20.00	10.00 to 12.00	12.00 to 15.00
" No. 1.....	10.00 to 12.00	10.00 to 12.00	6.00 to 8.00	6.00 to 10.00
" Lower grades.....	5.00 to 1.00	4.00 to 10.00	2.00 to 4.00	3.00 to 4.00
Richmond, Chatenay, Fan. & Spl...	5.00 to 8.00	6.00 to 9.00	5.00 to 6.00	6.00 to 8.00
" Lower Grades.....	3.00 to 4.00	3.00 to 6.00	2.00 to 4.00	3.00 to 4.00
Killarney, Maryland, Fan. & Spl...	5.00 to 6.00	6.00 to 9.00	5.00 to 6.00	6.00 to 8.00
" Low Grades.....	3.00 to 4.00	3.00 to 6.00	2.00 to 4.00	3.00 to 4.00
Bride, 'Maid,	3.00 to 6.00	3.00 to 8.00	2.00 to 5.00	..... to
Kaiserin, Carnot,	3.00 to 6.00	3.00 to 8.00	3.00 to 6.00	3.00 to 5.00
CARNATIONS, First Quality	2.00 to 3.00	..... to	1.50 to 2.00	..... to 1.50
" Ordinary	1.50 to 2.00	1.00 to 2.00	1.00 to 1.50	..... to 1.00
MISCELLANEOUS				
Cattleyas.....	..... to .....	..... to 75.00	..... to 75.00	50.00 to 60.00
Lilies, Longiflorum.....	10.00 to 12.00	12.50 to 15.00	10.00 to 12.00	8.00 to 12.00
Lily of the Valley.....	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00
Gladioli.....	4.00 to 8.00	3.00 to 6.00	3.00 to 6.00	3.00 to 8.00
Stocks.....	..... to .....	..... to .....	..... to .....	..... to
Asters.....	..... to 3.00	..... to	1.00 to 2.00	..... to 3.00
Daisies.....	..... to .....	..... to .....	..... to .....	..... to 1.00
Snapdragons.....	..... to .....	..... to 1.00	2.00 to 3.00	..... to
Sweet Peas.....	..... to .....	..... to .50	..... to .30	..... to .75
Gardenias.....	..... to .....	..... to .....	..... to .....	..... to
Adiantum.....	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.25
Smilax.....	12.50 to 15.00	..... to 15.00	8.00 to 10.00	12.50 to 15.00
Asparagus Plumosus, strings (100)	25.00 to 50.00	25.00 to 40.00	40.00 to 50.00	30.00 to 40.00
" " & Spreng. (100 bchs.)	..... to 2.00	25.00 to 40.00	25.00 to 40.00	30.00 to 40.00

has for several weeks and our wholesalers are in better humor. Roses are better. A good supply of white and pink Cochetts are now coming in daily. Carnations are very scarce and will be from now on until early in September. Asters are showing up well and are expected to be right plentiful from now on.

Gladioli are now becoming a glut and all the markets have plenty. Price is still up to \$8 per 100 for America. Tuberose stalks bring \$5 in 100 lots. Hydrangeas \$6.00. There are plenty of greens of all kinds except smilax and that had quite a big call last week.

Continued on page 179

M. C. FORD
Successor to
FORD BROTHERS
121 West 28th Street NEW YORK
FINE ROSES. FANCY CARNATIONS
A Full Line of All CUT FLOWERS.
Telephone, 3870 or 3871 Madison Square

H. E. FROMENT
Wholesale Commission Florist,
Choice Cut Flowers,
87 West 28th St. :: NEW YORK
Telephones: 2200, 2201, Madison Square.

Alfred H. Langjahr
All choice cut-flowers in season. Send
for quotations. Correspondence with
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55 West 28th Street, New York
Telephones 4626 4627 Madison Square

Edward C. Horan
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D. Y. Mellis, Pres. Robert G. Wilson, Treas.
Greater New York
Florists' Association, Inc.
New Open for Cut Flower Consignments.
162 Livingston Street, BROOKLYN, N. Y.
Geo. W. Crawbuck Telephone Connection
Manager 3642-43 Main

Moore, Hentz & Nash
Wholesale Commission Florists
55 and 57 West 26th Street
Telephone No. 758 Madison Square New York

WM. P. FORD
Wholesale Florist
45 W. 28 Street, NEW YORK
Call and Inspect the Best Establishment
in the Wholesale Flower District

A. MOLTZ & CO.
Wholesale Florists
A. MOLTZ MAURICE L. GLASS
Coogan Building, 55-57 West 26th Street
NEW YORK CITY
Telephone 2921 Madison Square Open from 5 a. m. to 6 p. m.

THE KERVAN COMPANY
Fresh Cut Evergreens, Mosses,
Southern Smilax, Galax and Leucothoe.
Preserved and Fresh Cut
Cycas and Palmetto.
Tel. 1519 5893 Mad. Sq. 113 W. 28 St., New York.

REED & KELLER
122 West 25th St., New York
Florists' Supplies
We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Glassware, Decorative Greens and Florists' Requisites

P. J. SMITH
Successor to JOHN I. RAYNOR
Wholesale Commission Florist SELLING AGENT FOR
A full line of Choice Cut Flower Stock for all purposes. LARGEST GROWERS
by the 100, 1000 or 10,000 The HOME OF THE LILY
TEL. 1998 MADISON SQUARE 49 West 28th St., New York City

Walter F. Sheridan
Wholesale Commission Dealer in
CHOICE CUT FLOWERS
133 West 28th Street, New York
Telephone—3832-3533 Madison Square

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES AND CARNATIONS
JAMES McMANUS Tel. 759 55 W. 28th St., New York
Mad. Sq.

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending July 29 1911		First Half of Week beginning July 31 1911	
American Beauty, Fancy and Special.....	25.00	to 30.00	20.00	to 25.00
" " Extra.....	15.00	to 20.00	10.00	to 20.00
" " No. 1.....	4.00	to 10.00	4.00	to 8.00
" " Lower Grades.....	1.00	to 3.00	1.00	to 3.00
Richmond, Chateaux, Extra and Special.....	2.00	to 3.00	2.00	to 3.00
" " Lower Grades.....	.50	to 1.00	.50	to 1.00
Killarney, My Maryland, Extra and Special.....	1.50	to 3.00	2.00	to 3.00
" " Lower Grades.....	.50	to 1.00	.50	to 1.00
Bride, 'Auld.....	.50	to 3.00	.50	to 3.00
Kaiserlin, Carnot.....	.50	to 5.00	.50	to 5.00
Carnations, First Quality.....	1.00	to 1.50	1.00	to 1.50
" " Ordinary.....	.50	to .75	.50	to .75

BADGLEY, RIEDEL & MEYER, Inc.
WHOLESALE FLORISTS
34 West 28th Street, New York
Telephones { 1664 1665 } Madison Square
CONSIGNMENTS SOLICITED

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Wholesale Florists
Phone 8346 Madison Square
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FLOWER MARKET SECTION
CHARLES MILLANG
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55 & 57 W. 26 St., NEW YORK
Telephone 7063 Madison

Wired Toothpicks
Manufactured by
W. J. COWEE, BERLIN, N. Y.
25,000... \$1.75; 50,000... \$7.50. Sample free.
For sale by dealers

A. L. YOUNG & CO.
WHOLESALE FLORISTS
Choice Cut Flowers
CONSIGNMENTS SOLICITED
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Prompt Payments. Telephone 3559 Madison Sq

FRANK MILLANG
Wholesale Florist
55-57 West 26th St., NEW YORK
Shipments, any quantity, Whole-
sale Market Rates.

ROBERT J. DYSART
Public Accountant and Auditor
Simple methods of correct accounting
especially adapted for florists' use.
Books Balanced and Adjusted
Merchants Bank Building
28 STATE ST BOSTON
Telephone, Main 58.



Flower Market Reports

(Continued from page 177)

NEW YORK The noticeable features of the flower market this week are the great increase in quantity and advance in quality of gladioli and asters. The latter are very fine from some growers and bring prices accordingly. In the gladioli line the most interesting novelty is Kunderd's Glory, of which fine stock is being sent to J. K. Allen by Rowehl & Granz. The flowers are creamy in color, flushed with crimson and gold in the throat and the spikes are very heavy. The trade has taken well to this new comer. There is plenty of lily of the valley in market in all grades, but at present it lags. Lilies are also abundant and have receded from the high prices prevalent for a short period. Carnations are scarcely to be found. Roses are still small and find little demand. Beauties are fairly good but prices favor the buyer. In orchids very little good material is seen. Cattleya gigas is about finished up and good cattleyas will be scarce until about the first of September when the labiatus will begin to bloom. The fashionable retail quarters are deserted.

The consensus of **PHILADELPHIA** opinion seems to be that business was above the average last week. The most noticeable feature was the shortage of good stock. A great deal of the material arriving is very, very poor. This is especially the case with roses and carnations. The hot weather of the past three months has been exceedingly hard on these crops and they are now showing the effects of it more than ever. The most satisfactory item at present is the aster. Asters are improving rapidly and may be said to be the standby at present—where good stock is wanted in quantity. Gladioli are also a leading feature among outside stocks, although they are showing the effects of the weather considerably. Both these and asters are best where they are grown under an irrigation system. This method of watering is a paying investment in a dry summer like the present and probably also in even the ordinary season for this latitude. The Beauty market is in healthy condition. What few are coming in bring very good prices. Marylands are fairly good and are also plentiful. So are Killarneys. Nothing good can be said of carnations. They are small, lack substance, and keep very poorly. There is quite a variety of outdoor subjects arriving—sabbatias, rudbeckias, penstemons and many others.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH

WILLIAM F. KASTING Co.



Wholesale Florists

383-387 ELLICOTT ST.

BUFFALO, N. Y.

WILLIAM H. KUEBLER

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

Tel. 4591 Main

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending July 29 1911		First Half of Week beginning July 31 1911	
	20.00 to	50.00	20.00 to	50.00
Cattleyas.....	5.00	to 6.00	4.00	to 5.00
Lilies, Longiflorum.....	1.00	to 3.00	1.00	to 3.00
Lily of the Valley.....	1.00	to 3.00	.60	to 3.00
Gladioli.....	.50	to .75	.50	to .75
Stocks.....	.10	to .25	.10	to .25
Daisies.....	1.00	to 2.00	1.00	to 2.00
Snapeadragon.....	.75	to 2.00	.25	to 3.00
Asters.....	1.00	to 3.00	1.00	to 3.00
Sweet Peas (per 100 bunches).....	15.00	to 20.00	15.00	to 20.00
Gardenias.....	.50	to .75	.50	to .75
Adiantum.....	5.00	to 8.00	4.00	to 8.00
Smilax.....	.....	to 35.00	.....	to 35.00
Asparagus Plumosus, strings.....	10.00	to 20.00	10.00	to 15.00
" " & Spruce (100 bchs).....				

PERSONAL.

Professor C. S. Sargent, of the Arnold Arboretum starts this week on a trip to Colorado.

Mr. Stumpp, of Stumpp & Walter, New York, is expected home from his trip abroad next Monday.

David Welch, of Welch Bros., Boston, has returned from his brief visit to the old country greatly improved in health.

Arthur Smith has resigned his position with the People's Gardens of Washington, D. C., to take charge of the estate of George D. Horst at Reading, Pa., consisting of 400 acres.

The five-year-old son of O. W. D'Alcorn, of Congress Heights, D. C., narrowly escaped losing his left hand in a cutting machine. The wound was an ugly one and required the taking of quite a number of stitches before it could be closed.

Miss Frances L. Holmes, eighteen years of age, daughter of Eber Holmes the rose grower of Montrose, Mass., has just won a scholarship at Radcliffe College. She led her class in German all the past year and got credit in all classes.

Frederick W. Taylor of Colorado has been appointed director of agriculture of the Philippine Islands, to succeed George Nesom, who recently resigned. He will enter upon his new duties early in October, with headquarters in Manila.

Mr. Taylor's appointment is expected to mark the beginning of the application of scientific methods in land culture in the development of the Philippines.

Mr. Taylor was chief of the department of agriculture and horticulture at the St. Louis world's fair, the Pan-American exposition at Buffalo and the trans-Mississippi exposition at Omaha.

Visiting New York: S. S. Skidelsky, of Skidelsky & Irwin, Philadelphia, Pa.; F. H. Kramer, Washington, D. C.

St. Louis visitors—J. T. Farney of M. Rice & Co., Philadelphia and Julius Dillhoff of New York were calling on the trade in interest of their firms, also boosting the S. A. F. convention at Baltimore.

Visiting Boston—J. S. Wilson, Des Moines, Ia.; W. J. Zartman, Supt of Parks and M. J. Kennedy, Park Commissioner, Brooklyn, N. Y.; Byron Worthen, Supt. of Parks, Manchester, N. H.; Frank R. Pierson, Tarrytown, N. Y. W. Ewing, Montreal, P. Q.; A. Weisse, representing Sachs & Co., Quedlinburg, Germany. Mr. Weisse reports seeds very scarce, especially peas and spinach.

PHILADELPHIA NOTES.

Paul Berkowitz and family of Philadelphia, are spending their vacation at Atlantic City.

Harry Bayersdorfer returned from his annual European trip, on the Kaiserin Augusta Victoria, Saturday, July 29, looking the picture of robust health.

Maurice Fuld has just returned from a sojourn at Atlantic City. He reports this Philadelphia adjunct as becoming a favorite spot of late for our New York friends. Frank Traendly, W. A. Manda, and many others were seen disporting themselves on the beach clad in bathing suits.

Samuel S. Pennock has been enjoying himself at the expense of his caller recently with a bouquet of red berries sent him by some Boston wag. Some would claim they were Barberry, some one thing, some another—and others gave it up. Then the gleeful Samuel would break one open and show they were Boston beans dyed red and stuck on a wire. The dog days are surely here when our florists have time for such foolishness.

Visitors: Mr. and Mrs. William Walker, Louisville, Ky.; Mr. Deans, of the Hollingsworth Floral Co., Atlanta, Ga.; W. J. Stewart, Boston, Mass.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

AMPELOPSIS

AMPELOPSIS VEITCHII.

Strong seedlings,
50c per 100; \$4.00 per 1000 prepaid.
P. Pearson, 5732 Gunnison St., Chicago.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries,
Rosindale, Mass.
For page see List of Advertisers.

ASPARAGUS

A. Leuthy & Co., Rosindale, Mass.
Asparagus Plumosus Nanus.
For page see List of Advertisers.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Asparagus Sprengerii, large 4-inch, \$1.50
per doz., \$10.00 per 100. Edw. Doege, 4344
N. Springfield Ave., Chicago, Ill.

Asparagus plumosus nanus seedlings,
\$1.00 per 100; \$8.00 per 1000. Cash or sat-
isfactory references with order.

B. Soltan Fernery,
199 Grant Ave., Jersey City, N. J.

Asparagus Sprengerii, 2 1/2-in. pots, \$1.75
per 100; \$15.00 per 1000. Cash. W.
Livesey, 6 McCabe St., New Bedford, Mass.

Asparagus Sprengerii, 2 1/2 in., \$2.00 per 100.
Cash. John Bauscher, Jr., Freeport, Ill.

Asparagus plumosus nanus, 2 1/2-in., \$3.00
per 100; \$25.00 per 1000. Cash. Clement S.
Levis, Aldan, Del. Co., Pa.

ASTERS

S. S. Pennock-Meehan Co., Phila., Pa.
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ASTER SEED

Elmer D. Smith, Adrian, Mich.
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AZALEAS

P. Ouwerkerk, Hoboken, N. J.
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A. Leuthy & Co., Rosindale, Mass.
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Lochner & Co., New York, N. Y.
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BAY TREES

A. Leuthy & Co., Rosindale, Mass.
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Bobblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Bay Trees and Box Trees, all sizes
Write for special List

Julius Roehrs Co., - - Rutherford, N. J.

Bay trees, heads 24 in. through, \$12.00 a
pair; heads 28 in. through, \$14.00 a pair;
32 in. heads, \$16.00 a pair; larger plants,
\$18.00, \$25.00 and \$28.00 a pair. Pyramids,
50 in. high from tub, \$10.00 a pair; 75 in.
high, \$18.00 and \$20.00 a pair. A. Schul-
theis, College Point, Queensborough, N. Y.

BEGONIAS

A. Leuthy & Co., Rosindale, Mass.
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Skidelsky & Irwin Co., Philadelphia, Pa.
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Thomas Roland, Nahant, Mass.
Lorraine Begonias.

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Begonia Lorraine 2 1/2-inch pots,
\$12.00 per 100 \$50.00 per 500

Immediate Delivery,
Julius Roehrs Co., - - Rutherford, N. J.

BOILERS

Kroeschell Bros. Co., 466 Erie St., Chicago.
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BOUVARDIAS

15,000 Bouvardias (single). Good strong
2 1/4 in. pink, white and a few red, \$2.50 per
100; \$22.50 per 1000. Cash please. Morel
Bros., 622 E. Market St., Scranton, Pa.

BOXWOOD

Boxwood for window boxes, \$20.00, \$25.00,
\$30.00, \$40.00, per 100. Pyramids in tubs,
very fine, \$3.00, \$4.00, \$5.00, \$6.00 a pair.
A. Schultheis, College Point, Queens-
borough, N. Y.

BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.
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Bobblink & Atkins, Rutherford, N. J.
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A. Leuthy & Co., Rosindale, Mass.
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Julius Roehrs Co., Rutherford, N. J.
Box Trees all sizes. Ask for special list.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St.,
Boston.

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J. M. Thorburn & Co., 33 Barclay St., N. Y.
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A. T. Boddington, 342 W. 14th St., N. Y.
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Rickards Bros., 37 East 19th St., New York.
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Henry F. Michell Co., Philadelphia, Pa.
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T. J. Grey & Co., 32 and 33 So. Market St.,
Boston.

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Ralph M. Ward & Co., 12 W. Broadway,
New York.

Horseshoe Brand.

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James Vick's Sons, Rochester, N. Y.
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Lochner & Co., New York, N. Y.
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John Lewis Childs, Flowerfield, L. I.
Fall Bulbs.

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The W. W. Barnard Co., Chicago, Ill.
Import Bulb List.

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Fottler, Fiske, Rawson Co., Boston, Mass.
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E. S. Miller, Wading River, N. Y.
Bulbs and Roots for Fall Planting.

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CANNAS

R. Vincent, Jr. & Sons Co.,
White Marsh, Md.

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CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per
1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CHRYSANTHEMUMS

Elmer D. Smith, Adrian, Mich.
For page see List of Advertisers.

Herrington's book on the Chrysanthemum mailed to your address for 50c., by
Horticulture Publishing Co., 11 Hamilton
Place, Boston.

Chrysanthemums, rooted cuttings, Mon-
rovia, Polly Rose, \$12.00 per 100. Vinca
Var., 4 in. pots, fine full plants, \$12.00 per
100. Ivy, English, 4 in., \$12.00 per 100.
Chas. Lenker, Freeport, L. I., N. Y.

CHRYSANTHEMUMS—Continued

Chrysanthemum, rooted cuttings, R. Hal-
liday, Amorita, Ivory, Yellow Jones, Min-
nie Bailey, Y. Bonnaffon, Rosiere, Polly
Rose, \$10.00 per 1000. Cash please. Hil-
pert & Hammen, 313 Belair Road, Balti-
more, Md.

Chrysanthemums. Rooted cuttings, 80 J.
Nonin, 60 Yellow Bonnaffon, 100 W. Bon-
naffon, 75 Shaw, 75 G. Pacific, 50 Pacific
Supreme, 100 Kalb, 25 Dr. Enguehard, 45
Appleton, 50 Mrs. J. Jones, 100 Halliday,
60 M. Tousett, \$1.50 per 100.

2 1/2 in. pots, 15 G. Pacific, 10 Shaw, 30
Mrs. J. Jones, 40 Yellow Jones, 35 Halli-
day, 65 M. Tousett, 35 Yellow Bonnaffon,
\$2.00 per 100, or \$15.00 for the lot. Cash
Chas. H. Green, Spencer, Mass.

Chrysanthemums. 260 Diana, 200 Estelle,
325 Yanoma, 90 Mrs. Robinson, 100 R.
Halliday, 25 Clementine Touset, 25 Jeanne
Rosette, \$2.00 per 100; \$18.00 per 1000. Cash
with order. Parkside Greenhouses, 1457
E. 70th St., Chicago, Ill.

CHRYSANTHEMUM CANES

Wm. Elliott & Sons, New York, N. Y.
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CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
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Chicago Carnation Co., Joliet, Ill.
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Wm. McRoberts, Waverly, Mass.

FIELD-GROWN CARNATIONS—White
Enchantress, Fair Maid, Harry Fenn, Law-
son, Winsor, Queen, Beacon, Thomas
Capers, Wellesley Hills, Mass.

FIELD-GROWN CARNATION PLANTS DIRECT FROM THE GROWER.

	100	1000
Light Pink Enchantress.....	\$7.00	\$60.00
Rose Pink Enchantress.....	7.00	60.00
Lawson-Enchantress	7.00	60.00
White Enchantress	8.00	70.00
White Perfection	7.00	65.00
Sangamo	8.00	75.00
Alvina	7.00	65.00
Dorothy Gordon	8.00	75.00
May Day	7.00	65.00
Pink Delight	7.00	65.00
Victoria	7.00	60.00
Georgia	7.00	60.00
Afterglow	7.00	60.00
Winsor	6.00	55.00
Beacon	7.00	60.00
Victory	7.00	60.00
Harlowarden	6.00	55.00
Patten	6.00	55.00
B. Market	6.00	55.00
Queen	6.00	55.00
Lady Bountiful	6.00	60.00

All of the above plants are in fine con-
dition, clean, thrifty and vigorous, guar-
anteed in every way. If on receiving any
of the above plants they are not as repre-
sented, they can be returned at once and
your remittance will be refunded. It pays
to buy good stock such as we grow; they
will produce twice as many blooms as the
cheaper grades offered. Stock ready for
shipment now. Cash with order.

HOWARD P. KLEINHANS,

66 Centre Square, Easton, Pa.

CINERARIAS

Cinerarias, best strain dwarf, 2 1/2 in., \$2.00
per 100; 300 for \$5.00. J. C. Schmidt, Bris-
tol, Pa.

COBAEAS

500 Cobaea Scandens, 4 in., \$4.00 per 100,
purple. Or will exchange for Boston.
Fischer Bros., 614 Dempster St., Evans-
ton, Ill.

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COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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CUT FLOWER BOXES

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made.
Write for list. Holton & Hunkel Co., Milwaukee, Wis.

CYCLAMENS

Cyclamen—Best Varieties in different colors, 3 inch pots, strong plants, \$10.00 per 100, \$80.00 per 1000. Julius Boehrs Company, Rutherford, N. J.

DAHLIAS

Herbert, Acto, N. J.
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E. Vincent, Jr. & Sons Co., White Marsh, Md.
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Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

Dahlias, divided roots, from 1 to 3 eyes to the piece. Send for list and get the latest varieties. W. P. LOTHROP, Brockton Dahlia Farm, E. Bridgewater, Mass.

DAHLIAS NEW FOR 1911.

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williamstown Junction, N. J., Post Office, Berlin, N. J.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.
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John Scott, Brooklyn, N. Y.
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DRACAENAS

Dracaena indivisa, 3 feet high and over, 5½ and 6 to 6½ in. pots, in perfect condition, cheap to close out, \$25.00 per 100. A. Schultheis, College Point, Queensborough, N. Y.

EVERGREENS

New England Nurseries, Bedford, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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FERNS

A. Leuthy & Co., Roslindale, Mass.
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H. H. Barrows & Son, Whitman, Mass.
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John Scott, Brooklyn, N. Y.
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Frank Oechslein, 4911 Quincy Street, Chicago.

Ferns for Dishes.

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Robert Craig Co., Philadelphia, Pa.
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F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
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Bostons, extra large, 6-inch, \$6.00 per doz. Edw. Doege, 434 N. Springfield Ave., Chicago, Ill.

Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Shot Hills, N. J.

FERTILIZERS

20th Century Plant Food Co., Beverly, Mass.
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Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.

Wizard Brand Cattle Manure.

Hardwood ashes, best fertilizer for earth for lawns and gardens. George S. Venn, Peterborough, Ont., Canada.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
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FLORISTS' LETTERS

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.
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FLORISTS' SUPPLIES

N. F. McCarthy & Co., 84 Hawley St., Boston.
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H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.
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M. Rice & Co., 1220 Race St., Phila., Pa.
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Reed & Keller, 122 W. 25th St., New York.
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H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.
Mid-Summer Supplies.
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S. S. Pennock-Meehan, Philadelphia, Pa.
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FLOWER POTS

W. H. Ernest, 28th and M Sts., Washington, D. C.
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A. H. Hews & Co., Cambridge, Mass.
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Hilfinger Bros., Ft. Edward, N. Y.
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Syracuse Pottery Co., Syracuse, N. Y.
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Peters & Reed Pottery Co., Zanesville, O.
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FOR-GET-ME-NOTS

For-Get-Me-Nots, Victoria and Royal Blue, nice large plants from seed bed, 50¢ per 100; \$2.50 per 1000. M. B. Saunders Co., 25 Burnett St., Providence, R. I.

FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.
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Kervan Co., New York.

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H. M. Robinson & Co., 15 Province St.
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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.
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Geraniums, our selection, 4 in., \$7.00 per 100; 3 in., \$4.00 per 100; 2 in., \$2.00 per 100; \$18.50 per 1000. More than 100 varieties. Send for geranium catalogue. A. D. Root, Wooster, O.

GLASS

Boston Plate & Window Glass Co., Boston.
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Standard Plate Glass Co., 26-30 Sudbury St., Boston.
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Foley Mfg. Co., Western Ave., between 25th and 26th Sts., Chicago.
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Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.
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Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.

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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
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GREENHOUSE BUILDING MATERIAL

A. T. Stearns Lumber Co., Neponset, Boston.

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King Construction Co., N. Tonawanda, N. Y.
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J. C. Moninger Co., 117 East Blackhawk St., Chicago, Ill.
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Foley Mfg. Co., Chicago.

Pecky Cypress for Beuches.

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S. Jacobs & Sons, 1359-63 Flushing Ave., Brooklyn, N. Y.

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Lord & Burnham Co.,

1133 Broadway, New York.

GREENHOUSE CONSTRUCTION

Foley Mfg. Co., Chicago.

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King Construction Co., N. Tonawanda, N. Y.
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A. T. Stearns Lumber Co., Boston, Mass.
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Hitchings & Co., 1170 Broadway, N. Y.
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Lord & Burnham,

1133 Broadway, New York.

Pierson U-Bar Co., Madison Ave., New York
Designer and Builder.

GUTTERS

King Construction Co., N. Tonawanda, N. Y.
King Channel Gutters.
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HAIL INSURANCE

Florists' Hall Asso. of America,
J. G. Esler, Saddle River, N. J.
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HARDY FERNS AND SUPPLIES

H. M. Robinson & Co., Boston, Mass.
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Michigan Cut Flower Exchange,
28 and 40 Broadway, Detroit, Mich.
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The Kervan Co., New York
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J. Jansky, Boston, Mass.
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HEATING APPARATUS

Kroeschell Bros. Co., 466 Erie St., Chicago.
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Lord & Burnham Co.,

1133 Broadway, New York.

HERBACEOUS PLANTS

P. Ouwkerk, P. O. No. 1, Hoboken, N. J.
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New England Nurseries, Bedford, Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
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HOSE

H. A. Dreer, Philadelphia, Pa.
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HOT-BED SASH

A. T. Stearns Lumber Co., Neponset, Mass.
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Foley Mfg. Co., Chicago.

For page see List of Advertisers.

Parshelsky Bros., Brooklyn, N. Y.

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Lord & Burnham Co., 1133 Broadway, N. Y.

HYDRANGEAS

F. R. Pierson Co., Tarrytown-on-Hudson, New York.

For page see List of Advertisers.

The true blue French Hydrangea from 5½ and 6 in. pots, sky blue, from 8 to 16 branches, \$9.00 per dozen. Best selected plants \$12.00 per dozen. Cash please. A. Schultheis, College Point, Queensborough, N. Y.

INSECTICIDES

Eastern Chemical Co., Boston, Mass.
Imp. Soap Spray.
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in writing to Advertisers kindly mention Horticulture

INSECTICIDES—Continued

Nicotide kills all greenhouse pests.
P. R. Paethorpe Co., Owensboro, Ky.
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Stumpp & Walter Co., New York.
Kilmind Tobacco Dust.
For page see List of Advertisers.

Aphine Manufacturing Co., Madison, N. J.
Aphine.
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E. H. Hunt, Chicago, Ill.
To-Bak-line Products.
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Wilson Plant Oil and Fertilizer Co., New York, N. Y.
Wilson Plant Oil.
For page see List of Advertisers.

Acme Nicotine Insecticides sold direct to the grower. Acme 45 per cent. Liquid, pint \$1.75; gallon \$12.50. Acme Fumigating Paper, case of 288 sheets \$5.50. Sample can of 24 sheets 60 cents, postpaid. J. P. Beermaker, 9 Washington Ave., St. Louis, Mo.

GYPSY MOTH CREOSOTE.

The original Gypsy Moth Creosote, made especially by us for the Gypsy Moth Commission. Limpid at all temperatures, completely penetrates the nest; kills all eggs. Samuel Cabot, Inc., Mfg. Chemists, Boston, Mass.

JAPANESE LILIES

Loechner & Co., New York, N. Y.
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KENTIAS.

Bobbink & Atkins, Rutherford, N. J.
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A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.

Kentia Belmoreana from 2½-in. pots, 3 leaves, \$6.00 per 100; \$55.00 per 1000. Cash or satisfactory references with order.
B. Soltan Fernery,
190 Grant Ave., Jersey City, N. J.

LANDSCAPE GARDENING COURSE.

Home Correspondence School, Springfield, Mass., Dept. 8.
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LILIES FROM CHINA

R. & J. Farquhar & Co., Boston, Mass.
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LILIUM HARRISII

F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
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LILIUM MULTIFLORUM AND GIGANTEUM

R. M. Ward & Co., New York, N. Y.
Horse Shoe Brand.
For page see List of Advertisers.

MASTICA

F. O. Pierce Co., New York, N. Y.
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METAL ROSE MARKERS

The Riker Co., Newark, N. J.

NICO-FUME

Kentucky Tobacco Product Co., Louisville, Ky.

NIKOTEEN APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.
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NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.
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New England Nurseries, Bedford, Mass.
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W. & T. Smith Co., Geneva, N. Y.
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Bobbink & Atkins, Rutherford, N. J.
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Bay State Nurseries, North Abington, Mass.

Hardy, Northern Grown Stock.
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McHutchison & Co., New York, N. Y.
Direct Importations.
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NURSERY STOCK—Continued

Loechner & Co., New York, N. Y.
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TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00 by Horticulture Publishing Co., 11 Hamilton Place, Boston.

ONION SETS

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

For Sale. Winter Onion Top Sets, select stock. A. S. Pett, Crawfordsville, Ind.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
For page see List of Advertisers.

ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
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Ordenez Bros., Madison, N. J., Box 108.
For page see List of Advertisers.

Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
For page see List of Advertisers.

Orchids—largest stock in the country. Stove plants and Crotons, finest collection. Julius Roehrs Co., Rutherford, N. J.

Orchid Growers' Manual. By B. S. Williams, 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

Edward V. Low, late of Hugh Low & Co., dissolved, Vale Bridge, Haywards Heath, England. "White" Cattleyas and Choice Cypripediums are leading features.

PALMS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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Robert Craig Co., Philadelphia, Pa.
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John Scott, Brooklyn, N. Y.
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Julius Roehrs Co., Rutherford, N. J.
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Joseph Heacock, Wyncote, Pa.
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Loechner & Co., New York, N. Y.
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PANSY SEED

Arthur T. Roddington, New York, N. Y.
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Henry F. Michell Co., Phila., Pa.
Giant Exhibition Pansies.
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PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
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PECKY CYPRESS BENCHES

Foley Mfg. Co., Chicago.
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A. T. Stearns Lumber Co., Boston, Mass.
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PEONIES

PEONIES—1200 sorts, an enormous stock List ready. C. Betscher, Canal Dover, O.

Peonies in any quantity. Write for prices on list of your wants. Gilbert H. Wild, Sarcoxie, Mo.

PETUNIAS

Petunias (Dreer's), mixed, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

PHOTOGRAPHS

I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan R. Graves, 414 Hayward Bldg., Rochester, N. Y.

PLANT STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

PIPE AND FITTINGS

Foley Mfg. Co., Chicago.
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Kroeschell Bros., Co. 466 Erie St., Chicago.
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Metropolitan Material Co., Brooklyn, N. Y.

POT HANGERS

Pot hangers, Kramer's 1½ doz. by exp. \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

PRIMULAS

Primulas Chinese, fine plants. 2½ in. \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

PRIVET

California Privet, any quantity, size, age. Others say ours is the best grown. Write for prices; also on shrubbery, ornamentals, fruit trees, asparagus, etc. Franklin Davis Nursery Co., Baltimore, Md.

RHODODENDRONS

P. Ouwerkerk, Hoboken, N. J.
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Bobbink & Atkins, Rutherford, N. J.
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RIBBONS AND CHIFFONS

M. Rice & Co., 1220 Race St., Phila., Pa.
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S. S. Pennock-Meehan Co., Philadelphia, Pa.
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ROSES

Chas. H. Totty, Madison, N. J.
Own Root and Grafted Roses.

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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Robert Craig Co., Philadelphia, Pa.
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W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
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Bay State Nurseries, North Abington, Mass.
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Wood Bros., Fishkill, N. Y.
Own Root Roses.
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Wanted—Rose plants of any kind. Melrose Garden Co., 90 Melrose St., Providence, R. I.

SCALECIDE

B. G. Pratt Co., New York, N. Y.
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SEED GROWERS

Braslan Seed Growers Co., San Jose, Cal.
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SEEDS

T. J. Grey Co., 32 So. Market St., Boston
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Joseph Breck & Sons,
61 and 52 N. Market St., Boston, Mass.
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Richards Bros., 37 E. 19th St., New York
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Henry F. Michell Co., Philadelphia, Pa.
Giant Exhibition Pansies.
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W. Atlee Burpee & Co., Philadelphia.
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SEEDS—Continued

Arthur T. Boddington, New York
Pansy Seed.
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R. & J. Farquhar & Co., Boston, Mass.
Flower Seeds for the Florist.
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J. M. Thorburn & Co., 33 Barclay St., N. Y.
Asparagus Plumosus Nanus Seeds.
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Fottler, Fiske, Rawson Co., Boston, Mass.
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Leonard Seed Co., Chicago, Ill.
Beans, Peas, Sweet Corn, Onion, Turnip.
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Wm. Elliott & Sons, New York.
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James Vick's Sons, Rochester, N. Y.
All Leading Varieties of Seeds.
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Skidelsky & Irwin Co., Philadelphia, Pa.
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The W. W. Barnard Co., Chicago, Ill.
For page see List of Advertisers.

J. Bolgiano & Son, Baltimore, Md.
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SMILAX

340 smilax, 2 inch, \$2.00 per 100. Cash
with order. Parkside Greenhouses, 1457
E. 70th St., Chicago, Ill.

SNAPDRAGONS

Snapdragons, white and pure pink, best
sellers of all snapdragons, 2 1/4 in. \$2.00 per
100; \$18.00 per 1000; 500 at 1000 rate. Cash.
Clement S. Levis, Aldan, Del. Co., Pa.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and
orchid baskets always on hand. Lager &
Hurrell, Summit, N. J.

Ten bales sphagnum moss, \$7.00. Z. K.
Jewett Co., Sparta, Wis.

SPRAYERS

Chas. J. Jager Co., Boston, Mass.
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STRAWBERRY PLANTS

Wilfrid Wheeler, Concord, Mass.

TREE RENOVATION

John T. Withers, Inc., Jersey City, N. J.
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VALLEY PIPS

Loechner & Co., New York, N. Y.
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VENTILATING APPARATUS

Foley Mfg. Co., Chicago.
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The Advance Co., Richmond, Ind.
Improved Ventilator Arm.
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VIOLETS

Violets, Dorset and M. Louise, 1c. F.
A. Huenselman, Boulder, Colo.

WIREWORK

Reed & Keller, 122 W. 25th St., N. Y.
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J. Jansky, Boston, Mass.
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Wirework. Write for our catalogue.
Holton & Hunkel Co., Milwaukee, Wis.

William E. Heischer's Wire Works, 38-40
Broadway, Detroit, Mich.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

WOOD PRESERVATIVE

Conserve Wood Preservative doubles the
life of all exposed lumber. Preserves
benches, posts, sills or plank g. Costs
3c. a stick, and saves ten times its cost.
Samuel Cabot, Inc., Mfg. Chemists, Bos-
ton, Mass.

WHOLESALE FLORISTS**Boston**

N. F. McCarthy & Co., 84 Hawley St.
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Welch Bros., 226 Devonshire St.
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H. M. Robinson & Co., 15 Province St.
and 9 Chapman Pl.
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Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.
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Chicago

Peter Reinberg, 51 Wabash Ave.
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Poehlmann Bros. Co., Morton Grove, Ill.
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J. A. Budlong, 37-39 Randolph St.
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Chicago Flower Growers' Association,
176 N. Michigan Ave.
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Cincinnati, Ohio

The J. M. McCullough's Sons Co., 316
Walnut St.
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Cromwell, Conn.

A. N. Pierson, Cromwell, Conn.
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Detroit

Michigan Cut Flower Exchange, 38 and 40
Broadway.
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New York

M. C. Ford, 121 W. 28th St., New York
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H. E. Froment, 57 W. 28th St., New York.
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H. C. Horan, 55 W. 28th St., New York.
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A. H. Langjahr, 55 W. 28th St., New York.
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James McManus, 55 W. 28th St., New York.
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W. F. Sheridan, 133 W. 28th St., New York.
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Wm. H. Kuebler, 28 Willoughby St.,
Brooklyn, N. Y.
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Moore, Hentz & Nash, 55 and 57 W. 26th
St., New York.
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Greater New York Florists' Association,
162 Livingston St., Brooklyn, N. Y.
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A. L. Young & Co., 54 W. 28th St., N. Y.
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Charles Millang, 55 and 57 West 26th St.
For page see List of Advertisers.

P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.

Frank Millang, New York, N. Y.
For page see List of Advertisers.

Traendly & Schenck, New York, N. Y.
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Badgley, Riedel & Meyer, Inc., New York
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A. Moltz & Co., New York, N. Y.
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Siebrecht & Siebrecht, 136 West 28th St.,
New York.
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Philadelphia

Leo Niessen Co., 1209 Arch St., Phila., Pa.
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The S. S. Pennock-Meehan Co., 1808-12
Ludlow St., Philadelphia, Pa.
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Rochester, N. Y.

George B. Hart, 24 Stone St.
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New Offers in This Issue.**CARNATION PLANTS, POINSET-
TIAS, GIANT MIGNONETTE SEED.**

Skidelsky & Irwin Co., Philadelphia, Pa.
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EXHIBITION ANNOUNCEMENT.

Advance Co., Richmond, Ind.
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PALMS AND FERNS.

Joseph Hancock, Wyncote, Pa.
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PERENNIAL SEEDS.

Fottler, Fiske, Rawson Co., Boston, Mass.
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RARE LILIES FROM CHINA.

R. & J. Farquhar & Co., Boston, Mass.
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**TIMOTHY SEED, CRIMSON CLOVER,
KAFFIR CORN.**

J. Bolgiano & Son, Baltimore, Md.
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VARIEGATED PINEAPPLES.

Henry A. Dreer, Philadelphia, Pa.
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**VEGETABLE SEEDS, LILY OF THE
VALLEY PIPS.**

Hjalmar Hartmann & Co.,
Copenhagen, Denmark.
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**YOU CAN LARGELY
INCREASE
YOUR FALL BUSINESS**

By inserting an advertise-
ment in these columns,
beginning at once.

**MANY FLORISTS WILL
SELECT THEIR STOCK
FROM AMONG THESE
ANNOUNCEMENTS**

In writing to Advertisers kindly mention Horticulture

Obituary.

Adam Berg.

Adam Berg, formerly a florist in Liberty, Ind., died in Hamilton, O., on July 16, aged 87 years.

Mrs. William H. Moon.

Mrs. William H. Moon, wife of the well-known nurseryman of Morrisville, Pa., died on July 22. She was a sister of Mrs. Walter P. Stokes.

Jeremiah Galbraith.

Jeremiah Galbraith, a landscape gardener for many years in New Rochelle, N. Y., died at his home on July 23, aged 76 years. He came to this country from Ireland when 26 years of age.

Alvah Coon.

This well known violet grower died of typhoid fever at his home in Rhinebeck, N. Y., aged 42 years. He had been ill for five weeks and was apparently recovering, when he had a relapse. He leaves a widow, one son and one daughter.

NEWS NOTES.

Manchester, Conn.—A 75x100 concrete storage warehouse is being erected by the C. R. Burr Nursery Co.

San Mateo, Calif.—A large water supply system is being erected on the property of the MacRorie-McLaren Co.

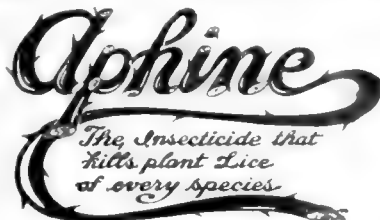
White Marsh, Md.—Lightning recently destroyed an acre of dahlias on the estate of R. Vincent, Jr., & Sons' Co.

Emeryville, Calif.—The greenhouses of William Kohler have been leased by T. Taniguchi who will use them for rose growing.

Yonkers, N. Y.—Harry Turner is superintendent at Greystone, the extensive estate of Sam Untermeyer. The grounds are most inviting. In the fine range of houses is a splendid lot of Celosia Pride of Castle Gould, the introduction of which has made the raiser famous.

Garrison, N. Y.—The beautiful grove of chestnuts at Castle Rock is threatened with extermination by a disease which has appeared beneath the bark and has up to the present baffled the efforts of the anxious Superintendent Wm. Ingalls to check it. Seven hundred trees were cut down during the winter and many more will follow. It has not affected any other species thus far on the whole sixteen hundred acres which are situated overlooking West Point and is surmounted with the handsome stone castle that is one of the sights of the Hudson.

Austin, Tex.—Commissioner Kone of the Department of Agriculture today issued permits to do business to the following nursery and florist concerns: J. F. Boyd, Nursery; W. G. Hegele, Stedman Fair and Isaac Garrison, Beaumont; Umholz & McCarty, Victoria; W. M. Malley, Port Lavaca; Mrs. S. A. Speer, Stowell; A. Middlehurst, Clark & Sanger, Victoria; C. J. Axelson, Bessie Weisinger and J. A. Larcomb, Beaumont; Mrs.



Destroys green, black and white fly, red spider, thrips, mealy bug, brown and white scale and all soft bodied insects. An excellent cleanser for decorative stock.

Used as a spray you can rely upon it for positive results, without fear of failure or dissatisfaction.

\$2.50 per gallon, \$1.00 per quart.

"FUNGINE"

An infallible remedy for mildew, rust and other fungus diseases. A clean, safe and easily applied spraying material.

Prof. W. F. Massey, associate editor of the Market Growers Journal, replying to an inquirer for a remedy for black spot on roses, writes (July 1st, 1911):—"The Fungine advertised by the Aphine Company is worth trying on this disease. It is promising here as a fungicide."

\$2.00 per gallon, 75c. per quart.

FOR SALE BY SEEDMEN

MANUFACTURED BY

APHINE MANUFACTURING COMPANY
MADISON, N. J.

Imp Soap Spray

Clean and odorless. Forms invisible films. Non-corrosive. Usual effective strength, one to thirty-two.

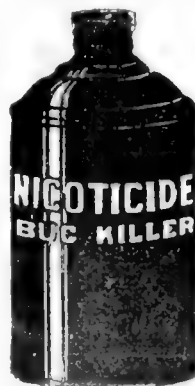
Guaranteed under Food and Drug Act 1910.

Single gallons, \$1.50

In barrels, \$1.00

Eastern Chemical Company

Pittsburg Street
BOSTON



The Best
Bug Killer and
Bloom Saver

For PROOF
Write to

P. R. Palethorpe Co.
OWENSBORO, KY.

To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

Use any form you choose but buy it of

E. H. HUNT, 131 N. Wabash Avenue, Chicago



Spray Your Trees and Do Your Whitewashing



With Deming Spray-Pumps. You can have a good crop of pears, plums, cherries, apples, etc., if you keep your trees in good condition—free from insects.

DEMING SPRAYERS

Are inexpensive and are suitable for whitewashing, poultry houses, cellars, etc., as well as spraying flowers, trees and shrubbery.

Get complete Catalogue and Spraying Instructions from
CHARLES J. JAGER COMPANY
2819 FRANKLIN STREET, BOSTON, MASS., AND
55 CANAL ST., PROVIDENCE, R. I.

Cocoon Fiber Soil

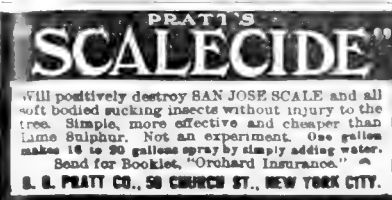
is being sought after by all growers. Cover your lawns this fall and next summer you can have a green one.

20th CENTURY PLANT FOOD CO.,
27 Ocean St., Beverly, Mass.

Wilson Plant Oil & Fertilizer Company

150 Nassau Street, NEW YORK CITY
Horticultural Supplies

Write for our special Catalogue



G. Weniger, Yoakum; Dan Sill, Port Arthur; A. Yanger, Victoria; Mrs. G. A. Pickett, Floresville; R. L. Idom, Toledo; Mrs. E. G. Kosik and Charles Albrecht, San Antonio; H. J. Adams, Cibola; F. W. Vollmar, Seguin; Mrs. W. R. Neal, Seguin; F. G. Bolhear, San Antonio; Mrs. H. C. Glaze, G. D. Esperson and George C. Baker, San Antonio; M. Kooyashi, S. Sabara and K. Konishi, Webster; F. Freeborough and Miss M. A. Menard, San Antonio.

H. Youell of Syracuse, N. Y., financial secretary of the American Gladiolus Society, has announced his candidacy for the position of Secretary of the S. A. F. Mr. Youell is also chairman of the Exhibition Committee and Bulletin Committee of the Gladiolus Society.

What the Users say



**Cast Iron Boilers Require Twice the Amount of Coal;
Kroeschell Boilers Only One Half.**

"I bought a No. 3 boiler in 1901. We had a corrugated cast-iron fire box boiler and sectional cast iron boiler before we bought yours in 1901. The cost of heating with this boiler is **ONE-HALF LESS THAN IT WAS WITH MY CAST-IRON BOILERS**. Your No. 3 Boiler, which we bought recently of you, is not being run to its capacity."

WM. GEENEN, Kimberly, Wis.

KROESCHELL BROS. CO., 466 W. Erie St., Chicago, Ill.

Send
For Catalogue

FOR "POT LUCK" TRY US...
HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

WRITE FOR CATALOGUE AND DISCOUNTS

**Pearson Street,
LONG ISLAND CITY, N. Y.**

A. H. HEWS & CO., Inc.

**Main Office and Factories
CAMBRIDGE, MASS.**

**GREENHOUSES BUILDING OR
CONTEMPLATED.**

Waterbury, Conn.—Sax & Floto, one house.

Centerville, Ind.—Davis Bros., two houses.

Longmeadow, R. I.—Mr. Pratt, house 50 x 120.

Auburndale, Mass.—W. A. Riggs, addition.

Salt Lake City, Utah.—F. A. Huish, one house.

Greenwich, Conn.—Richard Sutro, one house.

Hartford, Conn.—J. Albert Brodrib, house 28 x 125.

Belmont, Mass.—Chas. A. Frost, one 240-foot house.

Oneonta, N. Y.—Carr W. Pick, rebuilding two houses.

Fargo, N. D.—Fargo Floral Co., two houses each 34 x 100.

Sheridan, Wyo.—Best Floral Co., five vegetable houses.

Savanna, Ill.—Lambert & Dunn, carnation house 30 x 200.

Canton, O.—Brown Floral Co., three houses each 35 x 200.

Hightstown, N. J.—Wilson Peer, two 200-foot violet houses.

Farmington, Utah.—Miller Floral Co., carnation house.

Evanston, Ill.—A. E. Hunt, house 24 x 130, house 24 x 100.

Hartford, Conn. Edward Wilch, carnation house 46 x 150.

East Bridgewater, Mass.—Tony Appleberry, carnation house 27 x 30.

Portland, Ore.—S. W. Walker, one house. A. Hallett, one house.

Belleville, Ill.—A. G. Fehr, two carnation houses, 28 x 110 and 28 x 140.

Chicago, Ill.—Peter Scroyniski, four houses, each 25 x 112. Julius Zschau, house 20 x 100.

Norwood, Pa.—Robert Craig Company, two houses, each 22 x 150; four houses, each 44 x 150.

New Orleans, La.—Max Scheineux,



DREER'S

Florist Specialties.
New Brand—New Style.

Hose "RIVERTON"
Furnished in lengths up to 500 ft. without seam or joint.

The HOSE for the FLOWBET
1/2-inch, per ft., 15 c.
Reel of 500 ft., " 14 1/2 c.
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F. R. PIERSON COMPANY, Tarrytown-on-Hudson,
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S.A.F.
1911

HORTICULTURE

Vol. XIV.

AUGUST 12, 1911

No. 7



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Lilium myriophyllum

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LILIUM MYRIOPHYLLUM Mr. E. H. Wilson, the famous plant collector, collected this for us the bulbs now offered, in North-western China. He considers this the finest of all lilies. It is absolutely hardy, and is excellent for forcing. It has been predicted that this will become the Easter Lily of the future, and being so hardy, may be grown at home. The flowers are white, slightly suffused with pink and with a beautiful shade of canary yellow at the centre, and extending part way up the filament. It is delightfully perfumed, reminding one of the jasmine, and lacking the heavy oppressive odor of most lilies. Blooms out of doors early in July.

Orders looked now for October delivery. Bulbs each, \$1.50; dozen, \$15.00.

LILIUM LEUCANTHEMUM The bulbs offered were also collected by Mr. Wilson. This is one of the strongest growing lilies, reaching a height of six to eight feet. The flowers vary in number from five to ten on a stem, and in size and shape resembling *Lilium Harrisii*, greenish white shaded purple on the outside, and of the palest white within with a tint of citron in the centre. The flowers have a pleasing fragrance. This will undoubtedly be largely used for outdoor planting as well as for forcing. Many consider it the finest of all tubular-flowered lilies. It flowers somewhat later than *Lilium myriophyllum*, and being of larger growth, has a distinct place.

Orders look now for October delivery. Bulbs each, \$1.50; dozen, \$15.00.

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View in Eastern Nurseries showing block of *Armeria maritima splendens* in bloom.

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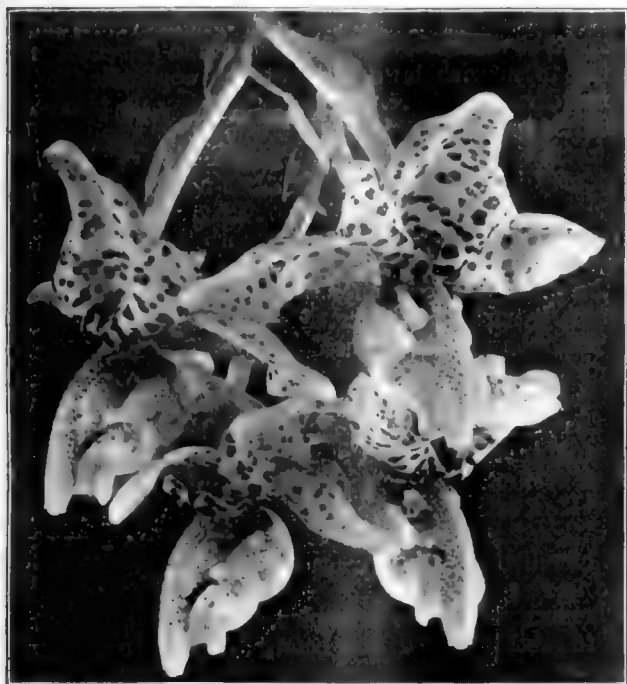
HENRY S. DAWSON, Mgr.

Jamaica Plain, Mass.

Summer Flowering Orchids

During the months of July and August the display of orchid bloom is very meagre as compared with that of the other ten months of the year; but as the demand for this class of cut flowers at this season is also small, enough good material can always be had to supply the demand.

Cattleyas, of course, take the lead all the year around.



STANHOPEA WARDII.

The early summer flowering varieties, such as *C. Mosia*, *C. Mendeli*, *C. Gaskelliana* and a few others have gone by and *C. Harrisoniae* took their place to be closely followed by the beautiful *C. gigas*, which will soon be at its best here. In some warm localities it will start to flower much earlier, but here it doesn't flower much before the middle of August and some of the plants can be held back until October by keeping them cool and dry. It would not be wise to try to hold them any longer than that, because *C. labiata* will be at its best by that time.

Cattleyas, however, are not the only good orchids to be had at this time of the year. Wherever a general collection of orchids are grown there will be found quite a number of useful as well as beautiful species in bloom during this dull season. Among the East India orchids some of the *Vandas* and *Acridos* and allied species flower at this time. *Acridos guthriei*, a native of the Philippine Islands is making a beautiful display here just now. The flowers are very sweet-scented, waxy white spotted purple, the sepals and petals tipped off with the same color. *Vanda Batemani*, also from the Philippines, is a strictly summer-flowering orchid, producing its lovely flowers on long stout stems from early July until September or still later. Would be excellent

for large bouquets, as the flowers have great lasting qualities.

Cypripedium and a number of by ones and other species, together with the nearly allied *Sceloporus* in various forms, make things interesting and for cut flowers are hard to beat. A number of *Epiphenodromus* flower in summer and some of them, for instance, *E. pinnatifidum*, *E. vitallinum*, *E. coarctata*, etc., are not to be despised, for the color and lasting qualities of most of them are all that can be desired. Where *Phalenopsis*, *Aphrodite* and *Ph. amabilis* are grown in quantity a few of them will always be in bloom. *Ph. Luddemanniana* flowers during June and July and while not so good as the former, the flowers will last much longer either cut or on the plant.

Oncidium papilio and *O. Krameri*, better known as the Butterfly Orchids, keep producing their curious flowers at intervals nearly all summer and they are quite showy, being a bright yellow, blotched and mottled with chestnut brown.

This does not exhaust the list by any means, but it would be tiresome reading to mention them all. A few, however, I would like to draw attention to, which are very interesting and some very beautiful, but of little value as cut flowers for they will not last long after being cut.

Nearly all *Stanhopeas* flower during the summer months and all of them are beautiful in form and color and most of them fragrant; the construction of the flowers, particularly the lip, is wonderful and one wonders why nature goes to such extremes. The different species of *Catasetums*, *Cychnoches*, *Mormodes* and allied species usually flower about this time and all are ex-



STANHOPEA WARDII IN BLOOM.

Illustration by M. J. Ope. The Stanhopea wardii is a native of the Philippine Islands.

The Stanhopea wardii is a native of the Philippine Islands and is one of the most beautiful of the orchids.

M. J. Ope

Naugatuck, Ct.

Water Lilies

There are many places where water exists, and in many seasons of the year form ponds, lakes, and swamps, and though the water lily is not at its best advantage during the summer months, there are many which, if planted with a knowledge of their capabilities, will produce very interesting effects during the winter months. Aquatic plants, of course, vary much in their likes and dislikes and considerable acquaintance is necessary with their habits and needs, but whether one has to deal with natural ponds or streams or artificially made pools, there is a very wide selection capable of being used for the purpose.

In the present article I hope to give a list of a variety of water plants for the benefit of those who may not have been able to see large collections for themselves, but all who have had opportunities of growing them will, I am sure, agree that the *Nymphaea* or water lily is the queen of aquatic plants. The native species have always been among the most highly admired of our natural flora and nothing could present a more beautiful sight, be it when they are seen growing with such grace in our rivers and streams.

During recent years, however, the hybridists have done much work, and we have now a great variety of new forms, some of which have been evolved by nurserymen in America, but a majority produced by the late M. L. Marliac in France. All Marliac's varieties are remarkable for their vigor, the great size of their flowers and their extreme hardiness.

The best way to plant water lilies is from the middle of May to the end of June, and they are obtained from a nurseryman or from a dealer in them at the beginning of the season.

They may either be put in pots or place them in a mixture of heavy loam and cow manure, the latter being the better, and to our-fifths of the former. They should be kept in a depth of water for two or three weeks until signs of growth are evident. By that time they may be safely transferred to their permanent quarters, and nothing suits them better than a good stiff loam or heavy clay soil. How deep to plant them depends on the variety, but all of Marliac's varieties and most sorts will rejoice in three feet of water, while the smaller-growing varieties will be satisfied with one foot to eighteen inches. Winter

is the best time to plant them in ponds, and as the plants have taken root they will require no further attention—that is, if they are planted in the proper places, but the commoner mistake is to plant them in a shallow or other article which will sink them and the plants will naturally take root.

They will also succeed in still ponds where the water can be changed if necessary by an artificial outlet, but they will also succeed admirably in streams, and if they object to swiftly flowing water they are naturally fast growers.

They are easily propagated by root division, and a crown is attached to the root. When the crown is seriously injured, it is seriously advised. With a little care and a little water protection may be given to the plants to prevent frost damage. It is not often that we are troubled with more than eighteen inches of ice.

A Lawn Problem

It is often a problem as to how to furnish grass under trees so as to have it attractive in summer, and many are safely assumed that it is out of the question unless plenty of moisture is available. We have come to the conclusion that there is no drier spot than under a handsome tree on the lawn, the roots of which form a system of drainage that is perfect in that it breaks up the soil formation, as well as absorbs moisture by its thousands of growing rootlets. It was put forth at one time with some degree of authority that trees poisoned the soil and the condition of lawn grass under the same was used as evidence, but we found that in the effort last winter to nourish lawn trees by the application of a liberal dressing of ground bone, there are no traces of weakness but on the contrary the grass is wonderfully vigorous.

It may be that some soils do not need bone for we hear of poor results from its use at times, but where it agrees with the chemical composition there is no better way to rejuvenate. Where much water is used the roots of the grass are sometimes washed bare and weakness follows, a sure forerunner of weeds, especially where the natural manures are used as a rejuvenator. Where plenty of soil from the greenhouse benches is at hand as often happens at this time, it is well to mix plenty of bone with it and spread thinly over the lawns adding a sprinkling of grass seed at the same time. We do not screen it first, but sweep the lawns with a broom to crush it in and in this way all small stones are gathered up with other undesirable particles, and it is a revelation how little distances a load of soil will go when applied in this way.

Chemical fertilizers are good, but it always seems best to mix them with soil before spreading or the appearance of the lawn will be streaky after it begins to grow, owing to the difficulty of sowing evenly, and it must be applied while the grass is damp as there is danger of injury if the fertilizer is easily soluble. Another source from whence good material can be obtained for lawns is the burnt rubbish heap. When enough has accumulated it should be screened because of the danger of nails, and if the sod needs leveling in places, roll the turf back far enough to take out the depression, fill up with burnt material, relay the sod and level the surface to a slight edge after tamping or rolling. This is best done in the fall months as early as possible after rains are frequent.

There has been much discussion about the use of white clover in seeding, but there is no question that it makes the best lawn though some object to it on tennis courts because it makes them slippery at times, but for good appearance even in a dry season the clover comes out by remaining green longer because of its deep roots and recovers from a drouth quicker than other grasses.

The summers seem to be getting dryer, and had it not been for the thunder showers this season we would have had a very dry summer. A steady rain has not fallen since the middle of June, and the lawn question is ever with us, for, after the trees, even before the flowers, comes the lawn as a setting for the homes of those who live not in the city. When one sees the thing well done it is oftentimes a source of envy.

Arthur E. Thatcher

Arnold Arboretum

Lake Forest

E. O. Cooper

Seasonable Notes on Culture of Florists' Stock

CARE OF ADANTHUMS

Beds of this fern that have been cut from and are now in a denuded condition will require but very little water until the new fronds begin to show numerously. After a short period of rest and when they resume activity in frond growth, they will be greatly benefited by a mulch of from a half to an inch of two parts of cow manure that is well rotted, to one of good loam. The crowns soon work above the surface and require a top dressing after each crop. These efforts will build up strong crowns. When the beds are covered with a growth of 4 or 5 inches long, feeding can be given regularly of cow manure and soot. This gives the foliage a fine dark green color. Give them sufficient shade so they will not burn or lose their color. This shading should be gradually removed after this month, so that by the end of October they will have full sun. When you have a fine crop of fronds be very careful during cloudy or chilly weather not to water too much. It is safer to allow the soil to become rather dry and keep the surface well stirred so as not to endanger the crop of fronds. If you are bothered with snails lay bait of lettuce or cabbage leaves and look these over once or twice a day; also scatter lime about their haunts.

CHRYSANTHEMUMS

Plants that are destined to figure in the coming exhibitions should have their last shift sometime before the close of this month. A good compost to use is to one ordinary cart load of rose soil that contains at least one-third of cow manure add from one to two bushels of pulverized sheep manure, half a bushel of soot and about sixty pounds of fine sand and bone. Mix this thoroughly before using. This will produce leaves, stems and flowers full of vigor. In potting be very careful to have the drainage perfect for without it you cannot have good growth. So that they have painstaking training and tying up to the very last day, so as to have them perfect in form. In connection for any success with these plants, it is absolutely necessary to give an abundance of room on a bench not too far from the glass. When you see that they need moving do it at once. Give plenty of fresh air throughout the day and night, together with an abundance of moisture, maintained by watering the soil as they may need it, by syringing the plants several times daily and by wetting down walks, which induces an atmospheric humidity throughout the house that is congenial to their growth. Keep up a diligent fight against the black aphid.

ORCHIDS

Many species of orchids, such as *Dendrobium nobile*, *Wardianum*, *Jamesianum*, and others that will now be finishing up their growth should be removed to a cooler house that is very lightly shaded so as to prevent a second growth. Later you can give them a more airy, cool, dry and sunny quarters which will induce them to ripen up their growth. To avoid any unnecessary check, the change should be gradual. Very little water will be needed at the roots during this rest, but

give a little water over the plants on bright days, which will help to keep the canes in good condition. All cattleyas that have completed their growth should be placed in a cool part of the house where they can be kept at a minimum amount of water. The amount of water should be lessened until only enough is given to keep the plants from shriveling. All those that are in active growth will require an abundance of water at the roots with a light syringing overhead two or three times a day. Dust the floors and benches.

ELLARGONIUMS

It is now time to prepare for the propagation of these show plants. Lay the old plants on their sides for the next two or three weeks and keep them almost dust dry. This will give several degrees of hardness to the wood which is to be used for cuttings. These can be put in the cutting bench and given a slight shade and kept in a moderate moist atmosphere. When rooted they can be potted into 2½-inch pots using good soil. If you wish to save the old plants cut all last year's growth hard back, leaving about an inch or two of the current year's growth and keep on the dry side until they show signs of breaking nicely. They can then be turned out of their pots and all the soil shaken off. Trim any straggling roots so that they can be placed in as small pots as possible using a light compost to pot them into. They should be given water sparingly at first until the pots become filled with roots, but at no time should they be given an excess of water at the roots, for they are very exacting as to this.

POINSETTIAS

Now is the time to put in a lot of cuttings for the filling of holiday receptacles, principally pans and fancy dishes. Keep the cuttings shaded and see that sand is kept moist, with light spray every day over the foliage and in about three weeks they will be ready for 2½-inch pots. The young plants should have frequent sprayings and be kept shaded until they take hold of the soil. When they are established give them a bench where they can have full sunshine with plenty of water and you will have plants with good foliage which are always salable. The earlier struck cuttings which are in 3 or 4 inch pots can now be planted out in a bench of five inches of compost of two-thirds heavy tarty loam, to one-third of well rotted manure. As the nights get colder maintain a minimum temperature of 62 degrees at night.

ROMAN HYACINTHS

These bulbs are due to arrive low and cheap, so get a number of flats together as soon as possible. The top of each bulb should be, when planted, even with the surface of the soil. Make the soil around the bulbs moderately firm. Give the flats a good thorough watering before covering them with four inches of soil or whatever material you may use. Besides this first good watering, unless we have frequent rains, the beds containing the flats should have a good soaking once a week. When the bulbs are well rooted they can be brought into a good light house and at a temperature of 60 degrees will be in flower in seven or eight weeks.

John J. M. Farrell

Mr. Farrell's lectures will be on the following subjects: Hardwooded Plants, Boulevard and Garden Ornamentals, Mar-
chioness, Russia.

NO. 7

The Society of American Florists assumes, **Vox populi** as has been well said, a grave responsibility in the matter of the election of a secretary to follow Secretary Dorner who has declined to be a candidate for re-election this year. We are not at these, however, who see danger in the time-honored method of selecting this important official and who would favor taking the privilege as now exercised away from the Society and vesting it in the Executive Board. Whatever individual views may be as to the wisdom or unwisdom of the Society's selections in the past, there is nothing to indicate that an Executive Board would have seen any wiser or done any better and there is always a certain danger in any action calculated to widen the gap and lessen the element of personal fraternal relationship between members and officials, especially in an

organization unfixed as to locality and somewhat nomadic in its nature as is the case with the S. A. F. The enthusiasm born of rivalries in the selection of officers in a Society so constituted is always a powerful factor in inducing attendance at conventions and assuring presence at the sessions where such matters are decided. Of course, human nature is not infallible and grave mistakes are possible, but it is our honest belief that the rank and file of the S. A. F. members will compare favorably with those of any organization in the country in the matter of judgment and common sense in the management of their affairs and can be trusted.

HORTICULTURE has been doing what it could, as our readers are aware, to induce the florist who deals direct with the public to help push along into greater popularity the window-box idea and to encourage the more general use of this and similar decorative features in connection with city buildings—public and private. Properly fostered by the trade—who surely have the best of reasons for such industrious exploitation—this department of the florists' business might quickly be multiplied to many times its present volume. That there are many ways in which improvement can and should be made will be plain to anyone who will devote a little time to an inspection of the examples seen here and there in the windows, porches and balconies of hotels and residences. There is room for the exercise of better mechanical ability in the construction of the boxes to themselves as to design, material and color, and above all as to practical fitness for the best welfare of growing plants. If the object were to kill off the plants as quickly as possible some of the so-called "jardinettes" could not be better adapted to that end. We have known plantings of excellent material, well arranged and adequately cared for, to be ruined by the use of paint or other coating on the inside of the receptacle. Watertight tin boxes are a little cause of disappointment and unlined metal cases that get almost red hot in the summer sun are another. Florists should interest themselves in these things as well as in the furnishing of good plants of suitable kinds as in the case of failure the blame and discredit are sure to be laid at the florist's door no matter how well his own particular part has been done.

Vegetables Under Glass

CUCUMBERS

Plants started now and until the first of September should be in crop by early November and in full bearing by Thanksgiving. The soil for cucumbers should be a good turfy loam, but not too finely broken up, for when it is rougher it insures the freer passage of water better. A good compost to use is to three parts soil, use one part of some well decomposed manure. When raised benches are used (and I think these are the best where the pipes run underneath, thereby giving them bottom heat which is so good to their growth) raise the hills by placing four or five shovelful of soil four feet apart, which is a better plan than to fill the benches full up. Some little time after planting the young plants will withdraw the soil, just as soon as

you see the roots working their way to the outside of the hills, more soil should be added. The compost that is supplied in this way should be made richer than that first used. Cucumbers require a night temperature of from 60 to 65 degrees with a rise of 15 to 20 degrees during all of the day. As the nights get cooler and your house falls below 65 degrees it is best to have a gentle warmth run through the pipes. To have the house shut up without a little heat often produces a check or fungus and mildew. Ventilate carefully so that no cold draughts are caused. Increase your air gradually and reduce it the same way thus keeping an even temperature. Keep up a nice degree of moisture in the atmosphere by damping down the house two or three times a day.

LETTUCE

To have a crop of lettuce ready in November, sow your seed any time from now up to the 25th of this month. For this crop cold frames are better than placing them in a house, as the plants do better and are much more easily handled. You can make three or four sowings for frame work, at intervals of every ten days or two weeks, making the last sowing about the middle of September. This will give you lettuce up to the middle of December. For inside forcing you can sow any time from the 20th of September on. If sown by Sept. 20th your crop will come in about Christmas. It takes from three to three months and a half from sowing to maturity, according to weather conditions. Lettuce will not stand pushing, so when the nights get so that you can control the temperature keep a night temperature of from 40 to 45 degrees with a rise of from 10 to 20 degrees by day, according to the brightness or cloudiness of the weather. They do well in any good fairly lean soil that has been mixed in the proportion of three parts soil to one part manure. The varieties to be grown will have to be selected according to what is in demand. Boston Market, Golden Queen and Glass House are suitable kinds to grow.

TOMATOES

This crop under glass is a growing industry. From early winter until early summer there is always a demand for good tomatoes. Now is the time to start for early winter, sowing the seed thinly in boxes. Keep shaded until they start to come up then keep as near the glass as possible. When they can be handled, pot off into 3-inch pots. As soon as these pots are filled with roots they can be started. I think the single-stem method of training is the best. If the benches are three feet wide you can have two rows, two feet apart in the rows. When the plants get from 12 to 18 inches high they will throw a number of side shoots which should be pinched off as they mature and the strength of the plant into the one stem. Attend to tying up and training as they grow. Keep the house at 60 degrees at night as they require a uniform and high temperature to grow well. If you want a good set of fruit you should hand-pollinate every day. When the first two or three clusters of fruit are well developed you can start to give them a little manure, once or twice a week. Keep the plants rather dry and also the soil, but water well when the fruit is green and turn it over 20 to 25 degrees when it is ripe. The temperature of the tomatoes should be 58 to 62 degrees.

John J. M. Farrell

BALTIMORE

The Metropolis of the South

From Robert Manning's Sketch of the History of Horticulture in the United States we learn that "in 1823 Samuel and John Feast began cultivating trees, plants and vegetables in Baltimore, on the Frederick road, and were the first to offer plants for sale in the public markets of Baltimore."

In Downing's Horticulturist, Vol. 1, No. 1, July, 1846, we find the following note in connection with the account of the proceedings of the Massachusetts Horticultural Society on February 14, 1846:

"To Samuel Feast, Esq., of Baltimore, they have given the Society's Large Gold Medal as a special premium for that beautiful seedling Rose originated by him, the Queen of the Prairies, which they consider the type of a new class of Roses, and without a rival in this climate for pillars, arbors, etc." Another beautiful and popular rose by the same raiser was the Baltimore Belle.

Ever since those early pioneers laid the foundation, Maryland has more than held her own in the floral line. Whether it has been roses, camelias, chrysanthemums or other flowers, Maryland perfection has made many of these typical in excellence. Maryland roses grace the lawns of many States, and are admired by legions of flower lovers, as well as florists. Many beautiful roses have originated on Maryland soil, the result of intelligent, enthusiastic study and experiment made by nature students whose fame will live long after they are called to their eternal flower abode.

Among those who have produced roses of beauty and quality is John Cook of Baltimore. Some of his creations are Souvenir de Wootten, Admiral Schley, Marian Dingee, Cardinal, My Maryland, Radiance and others. Mr. James Pentland in his day was also quite a rose enthusiast, as well as an extensive grower of camelias. Among the roses Mr. Pentland produced and disseminated are George Peabody and Woodland Margaret. Edward Kress of Baltimore, is the latest addition to the rose originators. A number of handsome chrysanthemums have been raised by Baltimore florists. E. A. Seidewitz a few years ago introduced some fine seedlings, and Paul Binder, at one time gardener for Mr. Parr of Lutherville, Md., also raised some very creditable seedlings. Samuel Feast, James Pentland and Robt. J. Halliday were all great camelia fanciers and had large greenhouses exclusively devoted to their growing. Up to several years after the war, camelias in Baltimore were the style, and graced the bosom of the Baltimore belles in their evening parades on the fashionable avenues. In 1880 Mr. Halliday published a very thorough and practical treatise on the culture of the camelia. The carnation Genevieve

Lord was raised and introduced at Oakland, Md., by H. Weber & Sons.

The tendency to suburban villas has seemed to lessen the interest in greenhouses in the city. At one period Baltimore was famous for its conservatories attached to the residences of wealthy people. Not only were flowers raised, but immense quantities of magnificent hot house grapes were produced. In those days the old Horticultural Society had grand shows, and the display of hot house grapes made by Messrs. Wm. T. Walters, W. W. Spence, Wm. Fowler from Clifton (which was then the home of Johns Hopkins and is now Clifton Park), Geo. S. Brown, Jno. W. Garrett, W. H. Perot, Breckenridge, Raisin and others was remarkable.

Among the many fine estates in the vicinity of Baltimore now are the following: "Hampton," which has

been in the Ridgely family for ages. The present owner is Captain John Ridgely. This estate originally comprised upwards of three thousand acres. It now has about one thousand acres. The residence is a fine example of Colonial architecture with two splendid fronts. There are many rare and beautiful trees, among them two splendid specimens of the Cedar of Lebanon. On the east side are three terraces, two of which are adorned with quaint boxwood borders within which the flowers are planted. "Uplands," the estate of Mrs. Henry Barton Jacobs, is a grand place with over forty acres in a wonderfully well-kept lawn. The entire tract comprises many hundred acres. There are magnificent oaks and many remarkable conifers. Mrs. Jacobs has many greenhouses and produces rare orchids in profusion. She is a very liberal contributor to the

State horticultural shows, and "Uplands" exhibits of plants and flowers are always the attractive features.

The country place of Wm. Lanahan near the city is noted for its handsome lawn of thirty-five acres, the splendid big oak trees and varied assortment of flowering shrubs.

Gustav Lurman, near Catonsville, has a fine Colonial mansion and handsome grounds surrounding it. The garden style is strictly Colonial. The conifers are among the finest in the State.

Probably one of the handsomest horticultural displays on private property is that on the estate of Ex-Governor Warfield, and much credit is due Mr. Charles Wood, its gardener. Evergreens, arbor vitae, palms and various foliage plants are placed artistically around; a box hedge surrounds the garden, and in the center is a pool with rocks adorned with ferns and umbrella plants which are constantly covered with spray from the fountain which fills the pool. In the pond is a quantity of

"MARYLAND, MY MARYLAND."

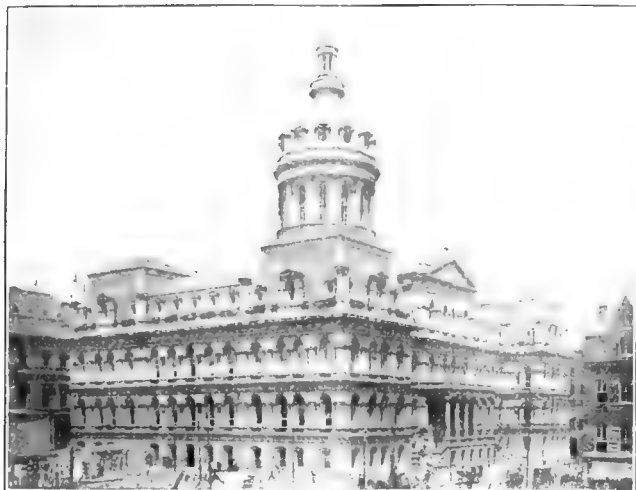
There is no other land so fair
As Maryland—
So filled with friends, so free from care
As Maryland.
And none will ever seem to me
So good and beautiful to see;
For no place else can ever be—
Just Maryland, "My Maryland."

From year to year all days are glad
In Maryland.
'Tis only leaving makes hearts sad
In Maryland.
Her women—noblest are on earth;
Her men are of most sterling worth—
Faith, hope and loveliness gave birth
To Maryland, "My Maryland."

A land of milk and honey—God
Made Maryland;
The fairest sky the greenest sod
Gave Maryland.
Then said that henceforth it should be
From tyranny and famine free
The home of hospitality—
God's land, "My Maryland."

Go where you will, stay where you may,
In Maryland;
You'll wish forever there to stay,
In Maryland;
From North to South, from East to West,
Of all earth lands it is most blessed:
Tho' it were not, I'd love it best—
It's Maryland, "My Maryland."

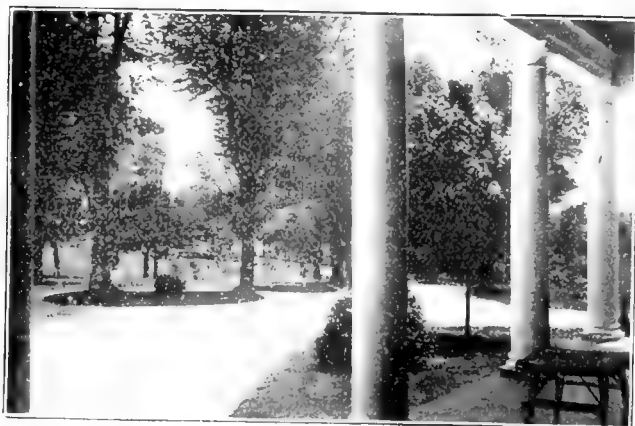
GLIMPSES OF BALTIMORE



City Hall



Post Office.



View in Grounds of Wm. Lanahan Near Baltimore.



Formal Bedding—Residence of Gustav Lurman, Catonsville.



U. S. Courthouse.



Light Street Docks.

goldfish. The house is covered by a climbing rose planted fifty years or more ago by the first occupants of the estate. During the winter the garden will probably be covered with a portable conservatory, so made that it may be taken down again next summer. Mr. Wood has also artistically decorated with plants the roof of Governor Warfield's garage and this will prove to be one of the show places during the coming convention. A fountain is in the center of the roof.

FRUIT GROWING IN MARYLAND

Fruit growing in Maryland is a very important industry from which a very large revenue is realized. Comparing the size of the State with other States, Maryland would probably be classed as the greatest fruit growing State in the Union. No other State can equal the diversity of her fruit products, or excel them in appearance and delicious quality. From the mountain regions come magnificent apples, luscious peaches, and delicious pears, and the various small fruits. And these products are generally raised throughout the State, from mountain top to the ocean beach. Of course the varieties of apples, peaches and pears vary in kind in the many sections, as some varieties do better in certain sections.

In Southern Maryland, especially in the part known as the Eastern Shore, where it is declared the Garden of Eden was located, the climatic conditions are such that what might be classed as tropical fruits are profitably grown and of wonderful elegance. At one time in this section the peach orchards were conspicuous, and it was the fruit from these same orchards that years ago gave Maryland peaches a national reputation. War, yellow, and other conditional troubles came, causing neglect in the orchards, finally resulting in their being completely abandoned.

For years thereafter there was no interest manifested in fruit growing. The older people seemed discouraged and even the sons of the men who had been famous peach growers did not seem to have any desire to revive the business. A little later on the mountain lands of Western Maryland, especially in Washington county, began to develop into peach orchards. The experiment was a revelation. Today the available mountain slopes, the picturesque foothills and even down in the fertile valleys, all are covered with grand orchards.

Peaches were produced first, but now the apple is just as great a success. Today Washington county orchards remind one of the famous orange region at Riverside, California. Orchards here, there, everywhere you look. Not ordinary orchards, but those that are orderly, in straight precise rows, well-kept, every tree symmetrical, and with luxuriant dark green foliage that denotes perfection in health.

Washington county is said to have the largest continuous apple orchard in the world, nearly ten miles, owned

by one man, Mr. Nicodemus. In this section the past spring the acreage in new orchards was a record breaker. The number of trees count far up in the thousands. The prevailing method of putting in a new orchard is to plant apples and peaches alternately. By the time the apples come into profitable bearing, the peach trees have served their usefulness and are removed and an exclusive apple orchard results. New orchards in every county in the State were put out last spring. In the tide-water counties, in the near future, the peach will again become prominent, for there are many orchards that will commence to yield fruit next year.

The State horticultural exhibition last winter in Baltimore surprised everyone with the grand display of apples that had been grown in the State. It was also a greater surprise to see that quality apples of the same variety came from so many sections of the State. Apples from the eastern shore tide-

water counties came in for a liberal share of blue ribbon honors. This seemed strange as it had been concluded that it was quite impossible to raise apples there, because of the climatic conditions, etc. Theory alone caused these conclusions. Practical demonstration proved otherwise. Years ago Kent county was famous for the excellence and great variety of pears produced there. Capt. R. H. Emory was the pioneer pear raiser and expert authority on pears. His orchard production of both pears and peaches gave him a deserved reputation. After his death his son took charge of the orchards and has also been very successful.

The small fruit industry in Maryland is very extensive and a great revenue is derived from it. The eastern shore is the main section where the small fruits are extensively produced. Strawberries are shipped in great quantity to the eastern states. An idea of the magnitude of the strawberry "patches" can be gained when it is a fact that at one station, Marion, the station agent showed the writer that the average daily shipment

in the height of the season was twenty-five carloads of crated strawberries.

At Ridgely, Caroline County, last fall the Armour's of Chicago built an immense factory for making preserves. They pay the strawberry growers six cents a quart, return all boxes to the growers. Farmers are increasing their strawberry acreage and say selling thus at home with no losses of baskets or crates is proving more profitable than shipping. The factory can handle one hundred thousand quarts, or more, a day. Raspberries, blackberries and other bush fruits are grown and shipped to the markets. Growing cantaloupes is very extensively carried on in Wicomico County. There is one grower, near Salisbury, who often has over 100 acres in melons. His average shipment, when the season is on, is three refrigerator carloads daily. Boston, Pittsburgh and New York are their destination.



JOHN COOK
Rose Hybridist, Baltimore

GLIMPSES OF BALTIMORE



"Uplands" Residence of Mr. Henry Barton Jacobs



Boxwood Borders at Hampton



Mission House, Deed Hall Park



Deed Hall Park



Partial View of R. Vincent & Sons Plant Houses, White Marsh, Md.



View of Green House, R. Vincent, Jr. & Sons, White Marsh, Md.

Nut growing is becoming quite an interesting feature in some sections of the State. Fine pecans, English walnuts, almonds, many varieties of hickory, black and white walnuts, Spanish and Italian chestnuts, etc. The chestnuts do well and come into quick bearing if grafted on the native chestnut trees. More tomatoes are grown in Maryland than in any other State.

BALTIMORE'S HOSPITALITY

Baltimore is a most hospitable city as has been experienced by members of the craft who have had opportunity to visit their fellow florists and nurserymen there. The American Carnation Society met in Baltimore in 1901 and the methodical well-trained manner in which all the details of business and entertainment were carried out was a surprise to the visitors.

On two occasions previously has Baltimore made an earnest effort to induce the S. A. F. to hold its convention there but in each instance failed to land the prize. In 1891 at Toronto, Washington and Baltimore were keen rivals for the 1892 convention and Washington won. In 1902, when Baltimore tried again, Milwaukee vanquished her. Yet when the Society met for the second time in Washington, in 1905, Baltimore's public spirit and large-hearted generosity overcame all thought of former disappointments and although the city was only beginning to recover from the appalling devastation of the great fire, Baltimore asked for and was granted by Washington the privilege of assisting in the entertainment of the visitors on one afternoon specially set apart for that purpose. How well the affair was carried out those who were fortunate enough to participate in that drive through the city and sail on the bay will never forget. And now after twenty years of patient waiting the Monumental City has attained her ambition and the National Society is to meet within her hospitable gates.

In the "Traveling Recollections," by Thomas Meehan in the Gardeners' Monthly for October, 1874, appears the following characteristic attestation to the old-time Baltimoreans' approval of the adage that "All work and no play makes Jack a dull boy:"

"Baltimore florists seem to have a better time of it than most of their brethren. The writer of these sketches made a number of calls, but this one was gone fishing, another was on a picnic down the river, and others 'were gone to New York,' 'to Boston,' 'to Philadelphia,' and various other places of which we have some recollections of having heard. We were, however, kindly permitted to run through the establishments by those in charge. It was pleasant to note that they were all generally prosperous, though they might probably be more so if they were all more alive to modern improvements."

BALTIMORE'S PARKS

Baltimore has a number of splendid parks, of which Druid Hill is the principal and the most famous. Thomas Meehan, in the article from which the foregoing quotation was made, has this to say of Druid Hill Park:

"Druid Hill Park is sure to be found 'at home,' though all other attractions are away. The best time to see this is towards evening, when the lights and shadows rapidly change away. The land is so rolling and so beautifully wooded, that this play of the shadows is particularly effective. Like most parks of any extent in American cities, this one is in connection with the city water works, which gives it the advantage of large sheets of water in the extensive reservoirs around which the most striking drives are led."

"The park is one of that style called natural, and of which people often boast that it is ready made from the hand of nature, needing nothing but a few roads and walks to make it a perfect specimen of landscape gardening. To be sure these places are oftener greater credits to the gardener's art, little though he may do in these cases to deserve credit, than many places wholly made. The defect in these natural parks is chiefly in the great sameness they present. A drive through a hundred acres is usually as good as if through a thousand. Hearing so much praise of the Druid Hill Park as one requiring no aid from the landscape gardener, we were prepared to expect much of the usual monotony. It is a pleasure to say, however, that circumstances have favored a great variety of scenes and peculiar features. The landscape gardener seems to have caught the spirit of change which the natural features present, and we think it more than likely that for a 'natural park,' Druid Hill will be made in time one of the best in the world."

LOOKING BACK

There is much that is historically interesting in Baltimore, but that part we shall not touch upon here other than to say that the subject of our cover illustration is one of the most notable objects in the city—the Washington monument, 163 feet in height, built entirely of marble and the first monument erected to the memory of Washington. As showing the progress made by Baltimore, in common with other American cities during the past sixty years, the following notes which we have copied from the Universal Gazeteer published in Boston in 1853, will no doubt interest our readers:

"The Baltimore and Ohio Railroad extends from the city to the Ohio River at Pittsburg, 300 miles. Many cars are already in operation upon the railroad. Some of them are drawn by horse power, some driven by steam and some by wind. The cars with sails go sometimes 25 miles an hour and can lie within 4 points of the wind. The whole distance from Baltimore to Pittsburg, when completed, will be traveled, according to estimation, by horse power in 30 hours, and by steam in 20. Baltimore has 80,625 inhabitants."

OUR NEXT ISSUE

will contain a full account of the proceedings at Baltimore up to Thursday noon, with description of the exhibition and other interesting convention news.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS

Twenty-Seventh Annual Meeting and Exhibition, Fifth Regiment Armory, Baltimore, Maryland, August 15th, 16th, 17th and 18th, 1911

OFFICERS OF THE SOCIETY.

PRESIDENT—George Asmus, Chicago, Ill.

VICE-PRESIDENT—R. Vincent, Jr., White Marsh, Md.

SECRETARY, H. B. Dorner, Urbana, Ill.

TREASURER Wm. F. Kasting, Buffalo, N. Y.

Executive Board.

For One Year: W. J. Vesey, Eugene Dailledouze.

For Two Years: W. N. Rudd, Robert Craig.

Illinois (North)—Fred Lautenschlager, Chicago.

Illinois (South) J. F. Ammann, Edwardsville.

Indiana—Theo. Dorner, Lafayette.

Iowa—James S. Wilson, Des Moines.

Kentucky—H. G. Walker, Louisville.

Louisiana—Harry Papworth, New Orleans.

Maine—William Miller, Bar Harbor.

Maryland—Chas. L. Seybold, Baltimore.

Massachusetts (East)—W. A. Hastings, Boston.

New York (East)—A. L. Miller, Brooklyn.

New York (West)—S. A. Anderson, Buffalo.

Ohio (North)—Frank A. Friedley, Rocky River.

Ohio (South)—C. E. Critchell, Cincinnati.

Pennsylvania (East)—S. S. Skidelsky, Philadelphia.

Pennsylvania (West)—W. J. Smith, Pittsburgh.

Rhode Island—L. J. Reuter, Westerly.



CONVENTION HEADQUARTERS, FIFTH REGIMENT ARMORY

For Three Years—E. Allan Pepee, H. A. Bunyard.

Ex-Officio: F. R. Pierson

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District of Columbia—Z. D. Blackstone, Washington.

Florida—C. D. Mills, Jacksonville.

Georgia—Daniel C. Horgan, Macon.

Massachusetts (West)—G. H. Sinclair, Holyoke.

Michigan (East)—Norman A. Sullivan, Detroit.

Michigan (West)—Elmer D. Smith, Adrian.

Missouri—Fred H. Weber, St. Louis.

Mississippi—S. W. Crowell, Rich.

Nebraska—John J. Hess, Omaha.

New Hampshire—R. E. Hannaboe, Portsmouth.

New Jersey—Ant. C. Zvolanek, Bound Brook.

Tennessee—C. L. Baum, Knoxville.

Texas—Eugene Corley, Dallas.

West Virginia—A. Langstaff, Wheeling.

Wisconsin—J. E. Matthewson, Sheboygan.

Canada: Ontario—John Conner, Hamilton.

Manitoba—H. E. Philpott, Winnipeg.

Quebec—George A. Robinson, Montreal.

Alberta—A. M. Terrill, Calgary.

Botanist: Prof. J. F. Cowell, Botanic Gardens, Buffalo, N. Y.

Pathologist: Prof. H. H. Whetzel, Ithaca, N. Y.

Entomologist: Dr. S. A. Forbes, Urbana, Ill.

Washington Representative of the Society: William F. Gude, Washington, D. C.

Superintendent of Exhibition: "Mack" Richmond, Baltimore, Md.

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John G. Esler, Saddle River, N. J., Chairman.

F. H. Traendly, New York, N. Y.

J. C. Vaughan, Chicago, Ill.

Patrick Welch, Boston, Mass.

J. O. Thilow, Philadelphia, Pa.

E. G. Hill, Richmond, Ind.

Committee on Convention Sports.

Chas. Graham, Cleveland, O., Chairman.

Chas. Scott, New York, N. Y.

H. Brown, Richmond, Va.

Advisory Committee for Trade Exhibition.

R. Vincent, Jr., White Marsh, Md., Chairman.

I. H. Moss, Govanstown, Md.

Robt. Graham, Baltimore, Md.

Committee on School Gardens.

Benjamin Hammond, Fishkill-on-Hudson, N. Y., Chairman.

C. B. Whitnall, Milwaukee, Wis.

Michael Barker, Chicago, Ill.

Wm. R. Smith, Washington, D. C.

C. L. Seybold, Baltimore, Md.

Committee on National Flower Show.

F. R. Pierson, Tarrytown, N. Y., Chairman.

F. H. Traendly, New York, N. Y.

W. J. Stewart, Boston, Mass.



GEORGE ASMUS,
President.

Robert Craig, Philadelphia, Pa.

J. K. M. L. Farquhar, Boston, Mass.

E. A. Stroud, Overbrook, Pa.

E. Allan Peirce, Waltham, Mass., Treas.

PROGRAM OF MEETINGS AND ENTERTAINMENTS.

Tuesday, August 15, 1911.

2.00 P. M.—"Address of Welcome," His Excellency, the Governor of Maryland; "Address of Welcome," His Honor, the Mayor of Baltimore. Response, Robert Craig. Address, President George Asmus. Reports of Officers, Committees, etc. Report of Committee on President's Address.

Discussion. Miscellaneous Business. Judging of Trade Exhibits.

7.30 P. M.—President's Reception. President Asmus wishes it distinctly understood that the reception will be informal and that the most comfortable costume will be the most appropriate.

Wednesday, August 16, 1911.

9.30 A. M.—Reciprocity with Canada on Floral Products. From the American Standpoint, Mr. P. Welsh. From the Canadian Standpoint, Mr. E. I. Mepsted. Discussion. Advisability of a Spring Meeting, Wm. F. Kasting.

10.30 A. M.—Selection of Next Meeting Place. Nomination of Officers for 1912. Report of Judges of Trade Exhibit. Annual Meeting Ladies' Society of American Florists.

2.30 P. M.—The Private Gardener, Wm. Duckham. Discussion. The National Flower Show, F. R. Pierson.

8.00 P. M.—Illustrated Lecture, "Ornamental Horticulture Abroad," J. K. M. L. Farquhar.

Thursday, August 17, 1911.

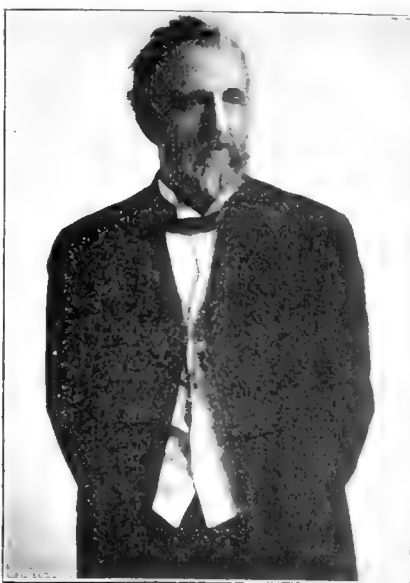
9.00 A. M.—Sectional Meetings. Florists' Telegraph Delivery. American Gladiolus Society. American Carnation Society. American Rose Society. National Sweet Pea Society. Florists' Hail Association.

11.00 A. M.—Election of Officers. Amendments to Constitution and By-Laws to be acted upon. To amend Article IV, Section 2 to read as follows:

Section 2. Fees and Assessments.—Any eligible person may become a member of the Society on the payment of \$5.00, and such payment shall cover the annual dues for the balance of the calendar year.



WILLIAM F. KASTING,
Treasurer.



RICHARD VINCENT, JR.,
Vice-President.



H. B. DORNER,
Secretary.



E. ALLAN PIERCE
Director.

The annual dues shall be \$3.00 per year, payable in advance on the first day of January. Any person may become a life member on payment of \$50.00 and be exempt from all further assessments.

Afternoon.—Bowling Contest and Other Sports.

Ladies' S. A. F. Entertainment.

10 A. M.—Bowling by Ladies' S. A. F. at the Garage. 12.30 P. M. Trolley ride to the various suburban districts; luncheon en route on the grounds of the Baltimore Country Club. 8.30 P. M.—Reception at Belvedere Hotel.

Friday, August 18, 1911.

General Entertainment by Gardeners' and Florists' Club of Baltimore.

Steamer leaves at 10 A. M. for Tolchester Beach on the Chesapeake Bay, arriving at noon. Refreshments will be served on the steamer en route. The Games—Baseball, shooting, races and other sports will take place on arrival. 6 P. M.—Steamer will leave for a trip further down the bay, returning to Baltimore at 10 P. M. Supper will be served on the boat.



H. A. BUNYARD
Director.



F. R. PIERSON
Director-ex officio.



ROBERT CRAIG
Director

TRANSPORTATION.

The Trunk Line Association has granted a rate of one and three-fifths (13-5) on the certificate plan. Tickets may be secured not earlier than August 11th and not later than August 16th, except from stations where it is possible to reach Baltimore by noon of August 17th when tickets may be secured on that date. Tickets will be good returning up to and including August 22d.

In securing your tickets purchase a regular full one-way first-class fare and be sure to request a certificate. No reduction in fare will be made unless a certificate be secured at the time of the purchase of the ticket.

For those living outside the district of the Trunk Line Association inquiry should be made of your local agent for rates to Eastern points. There are many rates in force during August and it is possible to travel at a much reduced fare.

Where members are desirous of join-



EUGENE DAILLEDOUZE
Director.



W. N. RUDD
Director.



W. J. VESLEY
Director.

ing parties from the larger cities information concerning the trip may be secured by writing to the secretaries of the local florist organizations.

HOTELS.

List of the leading hotels in Baltimore, rates and location. These hotels are all on the European plan.

Hotel Belvedere, "Headquarters," Charles and Chase streets. Rooms, without bath, \$2.00 to \$4.00 per day. Rooms, with bath, \$3.00 to \$9.00 per day.

Hotel Rennert, Liberty and Saratoga streets. Rooms, without bath, \$1.50 to \$4.00 per day. Rooms, with bath, \$2.50 to \$6.00 per day.

Hotel Stafford, Mt. Vernon place. Rooms, without bath, \$2.00 to \$4.00 per day. Rooms, with bath, \$3.00 to \$7.00 per day.

Hotel Altamont (three squares from Convention Hall), Eutaw place and Lanvale street. Rooms, without bath, \$1.00 per day. Rooms, with bath, \$1.50 per day up.

New Howard, Howard, near Baltimore street. Rooms, without bath, \$1.50 to \$2.50 per day. Rooms, with bath, \$2.50 to \$3.50 per day.

Hotel Caswel, Baltimore and Hanover streets. Rooms, without bath, \$1.50 to \$2.50 per day. Rooms, with bath, \$2.50 to \$3.50 per day.

The New Carrollton, St. Paul, near Baltimore street. Rooms, without bath, \$2.00 up. Rooms, with bath, \$2.50 up.



"MACK" RICHMOND,
Superintendent of Exhibition.

Hotel Junker (Strictly Stag), 20-22 E. Fayette street. Rooms, without bath, \$1.00 to \$1.50 per day (each person). Rooms, with bath, \$1.50 to \$2.50 per day (each person).

Hotel Raleigh, Holliday, near Fayette street. Rooms, without bath, \$1.00 to \$4.00 per day. Rooms, with bath, \$2.50 to \$4.00 per day.

Hotel Kernan, Franklin and Howard streets. Rooms, without bath, \$1.50 up. Rooms, with bath, \$2.00 up.

For further information, address

WILLIAM FEAST,

331 N. Charles St., Baltimore, Md.
Chairman pro tem "Hotel Committee."

LADIES' SOCIETY OF AMERICAN FLORISTS.

The annual business meeting of the Ladies Society of American Florists will be held at Hotel Belvedere, Wednesday morning, Aug. 16th, at 10.30. Business of importance will come up at this time and every member attending convention is urged to be present.

The members of the Ladies' Society of American Florists will receive at Hotel Belvedere, Thursday evening,

August 17th, from 8.30 to 11. Tickets will be issued from secretary's desk, Exhibition Hall, Tuesday, Aug. 15th. Mrs. Phillips requests all members to call there and please wear your badge pin.

MRS. CHAS. H. MAYNARD.
Sec'y.

THE CONVENTION GAMES.

Following is an official revised list of the prizes to be competed for at Baltimore:

BOWLING FOR MEN

Team Bowling:—

Whilden Cup—Team making highest total in 3 games.

Kasting Cup—Team making highest score in any one of the 3 games.

Bayersdorfer Cup—Team making highest score in first two games.

Michell (Phila.) Trophy—Team making second highest score in 3 games.

Henry Leahr (Balto.) Prize—A stick pin to each man on the highest team, total pins.



MRS. JOHN V. PHILLIPS,
President Ladies' So. of Am. Florists.

F. C. Bauer (Balto.) Cup—Man making highest number of strikes, team bowling.

Thos. H. Patterson (Balto.), One Dozen Fruit Knives—Man making highest total number of pins in the three games, team rolling.

W. W. Barnard Cup—Man making highest score on team from the greatest distance, total pins—team work.

W. C. McCaunce, Mirror—Man making second highest score, team rolling.

Mrs. M. J. Thomas (Balto.), Silver Pitcher—Most strikes made by a bowler in the 3 games.

W. J. Johnston (Balto.), Silver Bowl—For highest score in any one game, team rolling.

Pennock-Meehan Co. (Phila.)—\$5 to each man on team making second highest score in the 3 game, total pins.

M. Rice & Co. (Phila.), \$10—Man making second highest number of strikes in team rolling.

Hosea Waterer, \$5—For man making second highest number of spares, team rolling.

Individual Rolling:—

The George Asmus Prize, \$25—For highest score total pins.

The Fred Strodtman (Balto.), Silver Cup—For second highest score, total pins.

Dreer Cup (Phila.), for 3rd highest score total pins—To man making highest number of pins in 2 first games or in individual rolling.

Special Event—To the individual, 50 years or over, making the highest score, total pins in 2 games. A case of whiskey.

Michell Handbag—Highest score made by press representative in 2 games, total pins.

BOWLING FOR WOMEN

For number of total pins, from highest to sixteenth inclusive, the following prizes will be awarded respectively: Reinberg cup; Boas cup; Bolgiano & Son cup; Stewart & Co., cut glass vase; Hartzler Bros., cut glass bowl; Pennock-Meehan Co., hand bag; H. A.



W. A. HASTINGS,
Massachusetts State Vice-President.

Dreer, silver trophy; Mrs. Christie, belt buckle; Brunswick-Balke-Collender Co., bowling ball; M. Rice & Co., Japanese bread tray; J. W. Putts Co., flower holder; set of pins; Brayer & Co., fern dish; Eisenberg, cut glass vase; vase; Goldenburg & Co., silk umbrella.

For highest individual score, cut glass from Washington, D. C., ladies.

For highest number of strikes, linen centre piece, O'Neill & Co.

Highest number of spares, cup, H. F. Michell Co.

Highest score in a special game, which will be the third game rolled, silver cup, value \$75.00, Hochschild, Kohn & Co.

SHOOTING

The following have donated for the prizes to be awarded for shooting:

Michell & Co., silk umbrella; Ed Reid \$10; H. Brown \$10; Robt. L. Graham, \$20; R. Vincent, Jr., \$20.

There will be additional prizes forthcoming, when a proper distribution of all will be made.

AMERICAN GLADIOLUS SOCIETY.

Program of second annual meeting, Fifth Regiment Armory, Baltimore, Md., August 16 and 17, 1911:

Wednesday, August 16, 3.30 P. M.

Address of welcome, Mr. George Asmus, President S. A. F. and O. H. Reading minutes of last meeting. President's address. Financial secretary's report. Treasurer's report. Nominating committee's report. Report of committee on "What Constitutes a First Size of Saleable Bulb."

Thursday, August 17, 9 A. M.

Report of judges. Election of officers. Report of miscellaneous committees; bulletin, exhibition, etc. Report of committee on nomenclature. New business. Lecture, "Gladiolus Diseases," by Prof. Whetzel, or assistant from Cornell University, followed by discussion and reports from state committeemen on diseases.

Schedule of prizes for the Second Exhibition of Gladiolus Blooms to be held in connection with the S. A. F. Convention at Baltimore, Md., August 15-18, 1911.

Open Class.

- No. 1. Henry F. Michell Co. Silver cup for the best 25 spikes of new Gladiolus Kunderdi "Glory" exhibited in one vase.
- No. 2. Vaughan's Seed Store. Silver cup for the best and largest collection of blue shades in lots of 6 separate colors; not less than 25 spikes.
- No. 3. M. Crawford. 50 bulbs of Gladiolus "White Lady" for the best 6 spikes of any white variety.
- No. 4. Peter Henderson & Co. \$10 for the best 10 varieties not now on the market; 3 spikes each.
- No. 5. W. Atlee Burpee. \$10 for the best collection of 10 varieties; 6 spikes each.
- No. 6. E. E. Stewart. \$5 for the best vase of 12 spikes Gladiolus "Golden Queen."
- No. 7. E. E. Stewart. \$5 for the best vase of 12 spikes Gladiolus "President Taft."
- No. 8. B. F. White. \$5 for the best vase of new seedlings not less than 25 varieties, never before exhibited.
- No. 9. E. H. Cushman. \$5 for the best vase of 25 spikes of one white variety.
- No. 10. A. T. Boddington. \$5 for the best vase of any named yellow variety.
- No. 11. John Lewis Childs. \$10 for the best collection of Childs' varieties; 3 spikes each.
- No. 12. The Gardener's Chronicle. Challenge cup for the exhibit containing the largest number of standard named varieties, correctly labeled.
- No. 13. Stumpp & Walter Co. \$10 for the best collection of 15 varieties; 3 spikes each.
- No. 14. B. Hammond Tracy. Silver and glass vase for the best table decorated with Gladioli, the table to be laid for 6 covers.
- No. 15. N. L. Crawford. \$5 for the best center-piece for dining-table.
- No. 16. Frank Banning. \$10 for the best vase of Gladiolus "Niagara," 3 or more spikes.
- No. 17. H. H. Groff. \$10 for the best exhibit of Gladioli in white and light; dark; blue; and yellow hybrids, not more than 3 spikes of each variety and not less than one vase of each color section.
- No. 18. Rowehl & Granz. \$12 for 100 spikes Gladiolus "Augusta;" \$8, 2nd; \$5, 3rd.
- No. 19. A. E. Kunderd. \$10 and 100 bulbs Gladiolus Kunderdi "Glory" for the best display of above variety.
- No. 20. A. E. Kunderd. 100 bulbs of Kunderdi "Glory" for the best vase of 20 spikes of above variety; 50 bulbs for 2nd best vase.
- No. 21. Kelway & Son. Silver Medal. Best collection named varieties, Kelway's large flowered strain.

Amateur Class.

- No. 1. W. E. Kirchhoff Co. Gold medal for the best display of Gladiolus "Princeton."

No. 2. Montague Chamberlain. Silver cup for the best 6 named varieties, 1 spike each.

No. 3. John Lewis Childs. \$5 for the best vase of Gladiolus "America," not less than 12 spikes.

No. 4. A. T. Boddington. \$5 for the best collection of yellow named varieties exhibited by an amateur.

No. 5. J. M. Thorburn & Co. Silver cup for the best collection of Primulinus type and hybrids.

No. 6. L. Merton Gage. \$5 for the best 6 varieties of blue Gladiolus exhibited in one vase.

No. 7. A. E. Kunderd. 100 bulbs Gladiolus Kunderdi "Glory" for the best vase of 6 spikes of above variety; 50 bulbs of Kunderdi "Glory" for 2nd best vase.

No. 8. Arthur Cowee. \$5 for the best exhibit of 10 spikes each of a yellow variety, and a blue variety.

No. 9. Arthur Cowee. \$5 for the best exhibit of 10 spikes each of a red variety, white variety and a pink variety.

No. 10. Francis King. \$10 for the most harmonious and beautiful color arrangement of Gladiolus spikes, number of colors and quality to count; no less than 50 spikes.

Exhibits by express should be addressed to American Gladiolus Society, Fifth Regiment Armory, Baltimore, Md., express charges prepaid.

The judging on competitive exhibits will begin at 9 o'clock A. M., Wednesday (16th), and all exhibits must be staged by that time. Address all communications to L. Merton Gage, Sec'y, A. G. S., Fifth Regiment Armory, Baltimore, Md.

Don't forget your badge for 1911. No admittance to Exhibition Hall without it.

AMERICAN CARNATION SOCIETY.

There will be a meeting of the Board of Directors at the Convention Hall in Baltimore, at 9.00 A. M., Thursday, Aug. 17th. All members of the A. C. S. who happen to be in attendance at the S. A. F. Convention are invited to attend this meeting. There will be business of vital importance to come before this meeting, and a large attendance is desired.

The Secretary will be in attendance at the S. A. F. Convention, arriving in Baltimore on the 16th, ready to re-

ceive dues which have not been paid for the current year. Also contributions for the Dorner Memorial Fund. Considerable more funds are needed for this memorial, and every member who has not already contributed is urged to do so at once.

A. F. J. BAUR, Secretary.

Don't forget to ask for a certificate when buying your railroad ticket for Baltimore. Reduced fare not possible without it.

Dame Nature seems to be doing her best to get into attractive dress for the florists' reception next week. The showers of the past week throughout Maryland have proved very acceptable although they have caused considerable damage in some sections, washing away bridges, ruining roads and destroying out-of-door stock. Previous to this the drought was proving disastrous. In Baltimore and other places, the citizens were ordered not to waste any water. Such a restriction as this surely shows a grave condition and the florists will need some for the purposes of ablution at least.

THE BREEZE.

It started way up in the hill-tops,
That dear little rollicking breeze;
It swayed like a fairy the tree-tops
And flirted with millions of leaves.

Then rushing down into the valley,
It kissed all the loveliest flowers,
And lifting their heads to the cloudlets,
It whispered a promise of showers.

Over the boundless ocean,
It danced to the twinkle of stars,
And tossing the foam of the breakers,
Flung it high over the bars.

On thro' the gates of the city,
Where panted the weary and weak,
It swept like a blessing from heaven,
Fanning the hot, fevered cheek.

It whispered a tale of the hill and the vale;
It brought them a whiff of the sea;
It rocked them to sleep with a song of the deep—

A song of the flower and the bee.

Susan W. Clune, in *Boston Herald*.



INTERIOR VIEW OF S. A. F. EXHIBITION HALL, BALTIMORE, MD.

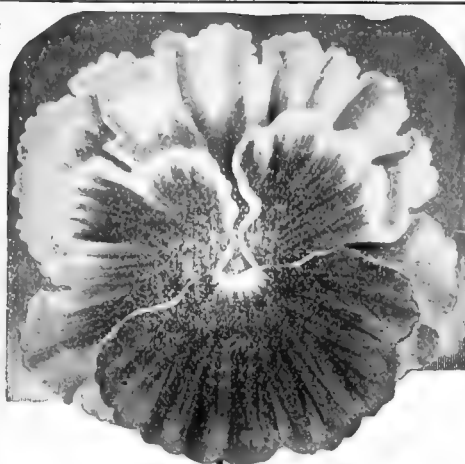
Seed Trade

Pea Situation Slightly Better.

There have been no radical changes in crop conditions during the past three or four weeks but the interval has served to bring the end more nearly in sight especially with reference to peas. The pea crop is now virtually made, and the only possible effect of weather would be to damage rather than to help the crop. From all information available, it looks at this time as if the crop would not be as bad as last year though it will be very short. In some districts conditions are fully as bad as last year, while in others they are much better, and while, of course, it is impossible to state what percentages will be delivered on contracts we would venture the opinion that these percentages, as a whole, will be materially better than a year ago.

Farmers' Alaskas and Cannors' Sweet.

Last year the farmers of Wisconsin raised, approximately, from 40 to 50,000 bushels of what are known as "farmers' Alaskas," while it is estimated that the crop this year will not exceed 5000 bushels. This is not due to any material reduction in acreage, but to the climatic conditions at the time that peas were in bloom and most susceptible to the bad effects of intense hot weather. The 50,000 bushels of "farmers' Alaskas" which were grown last year went into consumption quite generally, principally being used by the canners. This year they will not have this source to draw against, and it would seem as if good pedigree seed should be worth fully as much and possibly may bring even higher prices than a year ago. The same may be said regarding what are known as cannors' "sweet peas," the latter including Horsfords, Advancers, Admirals, Surprise and Prince of Wales. While other varieties than these are used in emergencies, these varieties comprise practically all that are used by the canning trade in years when they can be procured in sufficient quantity. The crop of canned peas will be rather lighter than last year, in fact, from all reports the crop will be decidedly lighter than a year ago, and if one may gauge the situation by prevailing prices on the canned product, the total pack will be the lightest ever harvested from the acreage planted. No doubt, the growers of sweet peas will be sending out their preliminary reports within the next few weeks and then we shall come nearer knowing the exact situation. The only guide the grower has at this time of the year is his field estimates, and it has been shown that these are a very uncertain guide this year. While the threshing returns have, in a few instances, been better than the estimates, as a rule, they have been disappointing and have reduced the estimates from one-half to one fold. One factor that has materially affected the pea crop, particularly in Wisconsin, has been the ravages of the pea louse. This pest made its appearance rather late in the season, but within the short time they had to work, several thousands of acres of the late planting were practically destroyed. One of the large Wisconsin



MICHELL'S

Giant Exhibition

PANSY

The "Distinctive" Florist Pansy

Gigantic in size, robust in texture, beautiful in form and gorgeous in coloring, are only a few of the descriptions we can give in this limited space.

Spring City, Pa.
The Giant Exhibition Pansies, seed of which I purchased of you last Fall, are now in bloom. I wish you could see them. The flowers are of the largest size and finest colors. I have grown Pansies for the last twenty years and thought I had the best, but I must say yours take the cake; they must be seen to be appreciated.
A. S. C.

30c per 1/2 trade pkt.; 50c per trade pkt.; 75c per 1/8 oz.; \$5.00 per oz.

WE CAN FURNISH ALSO ALL OTHER STRAINS OF PANSIES

Write for our Wholesale July Catalogue, just out.

HENRY F. MICHELL CO., 518 Market St., Philadelphia, Pa.

packers is said to have lost about 700 acres due entirely to the louse.

Beans.

Beans are looking fairly well, but will not be a very heavy crop. Some of the growers are not expecting above one-half to two-thirds of the average yield, while others are looking for better results. There is not much chance for any material improvement in the bean crop, while a wet harvest may mean that the crop that matures may be reduced materially, while samples will be generally unsatisfactory. Should dry weather prevail during harvest, samples should be fine, and there will probably be beans enough to satisfy all ordinary requirements.

Corn.

Corn is still an uncertain factor in the crop situation, but we infer from reports received that early corn has suffered beyond all hope of improvement and the crop will be very light. Later varieties with favorable conditions from now on, will doubtless yield fair results, but there is always danger of early frost, and we can only hope that this may be delayed until after the crop is sufficiently matured to be past damage from any ordinary white frost. Hard, freezing weather would, of course, be very disastrous to corn even after it had matured enough to resist the ordinary early frosts.

Miscellaneous Crop Notes.

In the west the potato crop this year has been the poorest in 25 years. In many states there will hardly be enough produced to meet home requirements, and it looks as if there

will be a market in the west for considerable eastern grown stock this fall.

California crops, as a whole, are fairly satisfactory, and there has been no serious damage reported to any line of seeds grown on the Pacific Coast. We have not had any definite news as to the European situation, and do not think that actual conditions will be known for the next 30 or 60 days. In a general way, nearly all root crops will be light as has been reported in these columns from time to time. Actual figures, we are unable to give at this writing, but hope to be able to give something more definite within the next few weeks.

We are informed that the Batchelor Seed Store, of Utica, N. Y., is going out of business. Whether they will sell out to some other concern or simply close out the business, we have not been informed, but the fact that they are really going to close out is, we believe, definitely settled.

Florists and Seedsmen Sell Your Own Scratch or Poultry Food

We will make it for you under your own brand for
\$28.00 PER TON

Send to-day for sample 100 lb. bag, \$1.50. Mr. C. E. Jensen of Atlantic Co., N. J., on Oct. 27, 1910, writes as follows:—I want to state that your three grades of Poultry Food: Chick Starter, Developing Food and "Square Deal" Scratch or Poultry Food stands without an equal to day. They are perfect mixtures and sound in grain and a pleasure to handle.

J. BOLGIANO & SON,

Importers and Wholesalers. Established for 92 Years.
BALTIMORE, - MD.



Francis Brill
GROWER and DEALER
Hempstead, L. I.
NEW YORK

Choice Seeds
For Gardeners, Truckers and Plant Growers
Long Island Cabbage Seed, Cauliflower, Egg, Pepper, Tomato, Etc.
Price Lists Free Quality Finest Wholesale and Retail

TURNIP SEED BEANS } For immediate delivery
LEONARD SEED CO.
226-230 W. KINZIE STREET, CHICAGO

Wholesale
SEED GROWERS AND DEALERS

Established 1820

Thorburn's Seeds

Asparagus Plumosus Nanus

New Crop Just Received

We offer while unsold as follows:

1,000 seeds \$2.50.
5,000 seeds and up @ \$2.25 per 1000
10,000 seeds and up @ 2.00 per 1000
20,000 seeds and up @ 1.75 per 1000

Cold Storage Lily of the Valley Pips

HIGHEST GRADE

Cases of 1000 pips @ \$13.00 per case
Cases of 3000 pips @ 36.00 per case

J. M. THORBURN & CO.

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COLDWELL LAWN MOWERS

Hand—Horse—Motor

Known All Over the World

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NEWBURGH, N. Y.

SEEDS, PLANTS, BULBS

All seasonable kinds of best quality

Special prices on large lots

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Seedsman
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BRIDGEMAN'S SEED WAREHOUSE

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37 East 19th St., - NEW YORK CITY

FINEST FLORISTS' SEEDS

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

CHOICE SEEDS

FOR PRESENT PLANTING
Stocks, Asters, Chinese Primulas, etc.

THOMAS J. GREY CO.

32 South Market Street, Boston, Mass.

Farquhar's Flower Seeds
for

The Florist

Write for our Wholesale Catalogue

R. & J. FARQUHAR & CO.
Boston, Mass.

Sphagnum Moss

In Burlap Bales; per bale \$1.00, 6 bales for \$5.00, 10 bales for \$8.00.

Larger Lots at Lower Prices.

The W. W. Barnard Co.
108-110 W. Kinzie St., CHICAGO

CAULIFLOWER CABBAGE SEED
MANGOLD, SWEDE, TURNIP
LILY OF THE VALLEY PIPS
HJALMAR HARTMANN & CO.
COPENHAGEN, DENMARK.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale Trade Only.

SAN JOSE, CALIF.

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High Grade Cut Blooms**

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The Far-Famed Flowers of
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Pres.

DENVER, COLORADO

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Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

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Members Florists' Telegraph Assn.

ALBANY, N. Y.

EYRES
Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER
11 NORTH PEARL ST., ALBANY, N. Y.

PERSONAL.

M. Vanderleave, Lakeside, Mich., has accepted the position of gardener on the estate of E. K. Warren of Three Oaks.

L. Biellerman of Chicago called last week in the interest of his firm, L. Baumann & Co., and reports a successful trip.

Louis Geiger has accepted a position in the store of J. F. Wilcox & Son, Council Bluffs, Ia.

Ernest Sonderegger succeeds A. H. Luck as manager of his father's business in Beatrice, Neb.

John Strinecke, W. J. Pilcher and W. C. Smith took an automobile trip last week through St. Louis County to visit growers. They found them all in good shape, and that the recent rains had done a world of good to stock in the field.

Mr. and Mrs. Fred C. Weber, Jr., are enjoying the cool breezes among the mountains of Colorado.

The following St. Louis party left Sunday night for a trip east, to wind up at Baltimore: Mr. and Mrs. John

STEAMER DEPARTURES

Numidian, Boston-Glasgow...	Aug. 18
American.	
St. Paul, N. Y.-Southampton...	Aug. 19
Anchor.	
Caledonia, N. Y.-Glasgow...	Aug. 19
Atlantic Transport.	
Minnehaha, N. Y.-London...	Aug. 19
Cunard.	
Campania, N. Y.-Liverpool...	Aug. 16
Uttonia, N. Y.-Mediterranean...	Aug. 17
Holland-America.	
Ryndam, N. Y.-Rotterdam...	Aug. 15
Potsdam, N. Y.-Rotterdam...	Aug. 22
Leyland.	
Devonian, Boston-Liverpool...	Aug. 19
North German Lloyd.	
Bremen, N. Y.-Bremen...	Aug. 15
G. Washington, N. Y.-Bremen...	Aug. 19
Kron, Cecilie, N. Y.-Bremen...	Aug. 22
Red Star.	
Vaderland, N. Y.-Antwerp...	Aug. 19
White Star.	
Arabic, Boston-Liverpool...	Aug. 15
Cedric, N. Y.-Liverpool...	Aug. 17
Olympic, N. Y.-Southampton...	Aug. 19

Connon, W. C. Young and Mr. and Mrs. Chas. Beyer. The rest of the St. Louis convention delegation will follow next week.

Henry M. Robinson, of H. M. Robinson & Co., Boston, has gone on a trip to Canada, including a visit to the Canadian Horticultural Association's Convention at Ottawa. Jos. Margolis of the same firm is off on his vacation.

John McKenzie of North Cambridge, Mass., is on a visit to his old home in Rosshire, Scotland. He expects to visit London and Belgium before he returns. Mr. McKenzie's greenhouses are in charge of his foreman, Charlie Sutherland. Miss Mary Gallagher, the popular clerk at his store, 1927 Massachusetts avenue, is looking after that part of the business.

A letter just received from A. Leuthy of Roslindale, Mass., who is now travelling in Europe, informs us that in Belgium as well as elsewhere he has found the weather very hot. He says that he finds the prices of azaleas fully as high as last year and some sorts in very short supply. But they are well budded and all stock looks well as a rule. From Belgium he was starting for Paris.

ALEX. McCONNELL

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Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

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Orders for Steamer, Theatre, Hotel, or Residence Carefully Filled.

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Deliver orders from any part of the country to

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Or OUT-GOING STEAMERS

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Telephone 1552-1553 Columbus

Established 1874.

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N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph and Cable address, Dardspier

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42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points, New York City, New Jersey, etc. At Theatres, Hotels, Steamers or Residences.

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Fulton St. and Greene Ave., Brooklyn, N.Y.

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DAYTON, OHIO.

Is elegantly equipped to take care properly of all orders for flowers entrusted to him night or day.

For Dayton, Ohio and Vicinity

"THE HOME OF FLOWERS"

The largest cut flower store in America. Orders for the TWIN CITIES and for all Northwestern points given prompt attention.

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

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In Quality and Design

Can be relied upon when you transfer your retail orders to

EDWARD MACMULKIN
194 Boylston Street, Boston

LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

The Edgebrook Greenhouses and Nurseries

OF

THE GEO. WITTBOLD CO.

Cordially invite all Florists interested in

Fine Ferns, Palms, and Nursery Stock

Also all other seasonable stock to stop over and visit our place at **EDGEBROOK, CHICAGO, ILL.**

Chicago, Milwaukee and St. Paul Railway

	Week day trains from Chicago to Edgebrook		Week day trains from Edgebrook to Chicago		Sunday Trains Chicago to Edgebrook		Sunday Trains Edgebrook to Chicago		
	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	
Look at this Time Card and make your Plans to come.	6.55	12.40	6.16	1.10	6.55	12.40	7.39	1.14	'Phone us and we will meet any train at Edgebrook Station. 'Phone Sunnyside 124.
	9.20	1.55	7.03	3.27	9.20	1.55	9.08	3.44	
		3.05	7.39	3.44		3.05	10.39	5.44	
		5.00	9.08	5.44		5.00		7.08	
		5.20		7.08		5.35		10.44	
		5.35		10.44		6.03			
		6.03				8.45			
		6.42				11.30			
		8.45							
		11.30							

12 miles from Union Depot.

We now have 80 acres of Nurseries and 70,000 square feet of glass at Edgebrook which is well stocked with a full line of seasonable plants.

JOHN COOK

Florist

318 North Charles St.,

BALTIMORE, MD.

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points to

THOS. F. GALVIN

124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN

1 Park St., Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall
Schools. **TAILBY, Wellesley, Mass.**
Tel. Wellesley 44-1 and 2. Night 44-3

Chicago, Ill.—J. I. Salach has purchased the store of F. C. Sturvy, 1810 South Halstead street.

PERSONAL.

D. H. Eaton of Macomb, Ill., has gone to Sedalia, Mo., where he accepts a position as designer for the Archer Floral Co.

W. C. Collett, for many years manager of the A. C. Burrage property at Redlands, Cal., has taken the management of the City nurseries succeeding Sidney Hockridge, recently resigned.

Dr. B. T. Galloway, Chief of the Bureau of Plant Industry of the Department of Agriculture, has sold the farm at Springfield, Md., which he conducted, with the aid of his three sons, as a private experiment farm. Dr. Galloway intended to put into practice those things that he was endeavoring to teach the farmers but his health failed him, due to the extra work involved, which resulted in the sale of the farm.

Visitors in Philadelphia: H. L. Holmes, Harrisburg, Pa.; A. P. Nicklin, Pittsburg, Pa.; E. H. Flood, Atco, N. J.; Alphonse Pericat, Collingdale, Pa.

Visitors in Boston:—Walter Mott, representing Wm. Elliott & Sons, New York City; Miss Lizzie A. Dirwanger and Mrs. Annie Dirwanger Coyle, Portland, Me.; Otto H. R. Wiese, representing David Sachs, Quedlinburg, Germany; E. H. Chamberlain, New Bedford, Mass.; M. J. Leach, Pawtucket, R. I.; Arthur L. Deal, representing W. W. Johnson & Son, Boston, England.

NEW FLOWER STORES.

Attleboro, Mass.—A. W. Vose & Son.

Chicago, Ill.—M. B. Hirsch, Willard Theatre Building, Fifty-first street and Calumet avenue, to be known as the Willard Florist.

CINCINNATI PERSONALS.

Miss Louise Forbes will spend a few weeks with her sister at Chicago.

Mr. and Mrs. E. G. Gillett will soon leave for Michigan for a fortnight's stay.

Wm. Murphy and Tom Windram have gone to Snow Islands. Mr. Murphy went to Parkerburg, W. Va., last week to superintend the loading and shipping of a launch which he and his partner, Chas. Tigher had purchased for use at the lakes and was royally entertained by Mr. Dudley of that City.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edw. MacMulkin, 194 Boylston St.

Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.

Buffalo, N. Y.—Palmer's 304 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.

Dayton, O.—Matthews, The Florist.
Denver, Col.—Park Floral Co., 1643 B'way.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.

Kansas City, Mo.—Samuel Murray, 912 Grand Ave.

Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.

Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.

New York—David Clarke's Sons, 2139-2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—W. H. Long, 412 Columbus Av.

New York—Young & Nugent, 42 W. 28th.

New York—Dards, N. E. cor. 44th St. and Madison Ave.

St. Paul, Minn.—Holm & Olson.

Toronto, Can.—J. H. Dunlop, 96 Yonge St.

Washington, D. C.—Gude Bros., 1214 F St.

Wellesley, Mass.—Tailby.

ASTERS

Good stock, \$1.00—\$1.50 per 100
Choice stock \$2.00 per 100
Fancy stock \$2.50—\$3.00 per 100

White—pink—purple. Flowers above the average in quality. They are more plentiful now. You can depend on us to fill your orders with carefully selected stock.

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1209 Arch Street, - PHILADELPHIA, PA.

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want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

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FOR THOSE
FLORIST'S MADE
USE BY THE

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Boston Florist Letter Co

66 PEARL ST., BOSTON

N. F. McCarthy, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock.

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MANUFACTURERS
PHILADELPHIA, PA.

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WHOLESALE

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37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

George B. Hart

WHOLESALE
FLORIST

24 Stone St., Rochester, N.Y.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention to shipping orders. Jobbers of Florists' Supplies, Seeds and Bulbs. Price list on application.

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AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	BOSTON Aug. 10	CHICAGO Aug. 8	ST. LOUIS Aug. 8	PHILA. Aug. 8
Ave. Beauty, Fancy and Special...	15.00	20.00	20.00	25.00
Extra	12.00	15.00	15.00	15.00
No. 1	8.00	10.00	10.00	8.00
Lower grades	2.00	4.00	3.00	2.00
Richmond, Chateaux, Fancy & Spl.	4.00	6.00	4.00	4.00
Lower grades	1.00	2.00	1.00	1.00
Killarney, Maryland, Fan, & Spl.	4.00	6.00	4.00	4.00
Lower grades	1.00	2.00	1.00	1.00
Bride, 'Maid, ...	1.00	4.00	2.00	4.00
Kaiserin, Carnot, Taft	3.00	5.00	4.00	3.00
CARNATIONS, First Quality	1.00	2.00	2.00	2.00
Ordinary	.50	.75	1.00	1.00
MISCELLANEOUS				
Cattleyas	40.00	30.00	50.00	60.00
Lilies, Longidorum	6.00	5.00	8.00	8.00
Lily of the Valley	2.00	4.00	4.00	2.00
Gladioli	1.00	5.00	3.00	1.00
Stocks	1.00	1.50	.50	.50
Asters	.15	1.00	1.00	.50
Daisies	.15	.50	.50	.50
Snapdragons	2.00	3.00	.25	.25
Sweet Peas	.25	.50	.50	.25
Gardenias	1.00	25.00	1.00	6.00
Adiantum	1.00	1.25	1.00	1.25
Smilax	12.00	15.00	12.50	15.00
Asparagus Plumosus, strings (100)	50.00	50.00	35.00	50.00
" & Spreu. (100 bchs.)	40.00	25.00	15.00	25.00

J.A. BUDLONG

82-84-86 E. Randolph St., Chicago

OUR STOCK IS A-1 AND IT IS QUALITY NOT PRICES THAT TALKS

Chicago Flower Growers' Association

Wholesale Growers of Cut Flowers and Plants

176 N. MICHIGAN AVE., BETWEEN RANDOLPH AND LAKE STREETS, CHICAGO

TRY MY PRICES.

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Manufacturer of Florist Wire Designs,

All kinds of Florist Supplies.

New crop Dagger and Fancy Ferns, \$1.75 per 100. Green and Bronze Galax, 90c. per 1000; by the case, \$7.50. Boxwood, 50-lb. case, \$7.50; by the lb., 25c. Laurel Wreaths, 10-inch, \$1.75 per doz.; 12-inch, \$2.25 per doz.; 14-inch, \$3.00 per doz.; 16-inch, \$4.50 per doz. Laurel Trimming, 4 and 5c. per yd.

HENRY M. ROBINSON & CO.

15 Province St., 9 Chapman Pl.,
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Everything in Flowers

Complete Stock of Florists' Greens,

Three Floors of Florists' Supplies.

A CORDIAL INVITATION

is extended to all local and visiting florists and their friends to COME and SEE
our stock of

Crotons, Palms, Dracaenas, Ficus, Pandanus, Araucarias, Boston Ferns
AND OTHER DECORATIVE STOCK.

Also our Ferns for Dishes or Ferneries, Poinsettias, Primulas, and other stock for growing on.

FRANK OECHSLIN, 4911 W. Quincy St.,
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GREEN GALAX New Crop Ready to Ship

Fresh from the Mountain Forests

Prices f. o. b. Galax, Va. (From this place freight and express rates are less than from North Carolina points.)

Green Galax, small size.....\$3.50 per case of 10,000
Green Galax, medium (Standard) size... 4.00 per case of 10,000
Green Galax, large size..... 4.50 per case of 10,000
Half case lots -trial order—at same rates; less quantity,
50c. per 1000—any size.

We will be ready with New Crop Bronze Galax about Nov. 1st. Prices same as quoted above on Green Galax. Booking orders for Bronze now, "first to come—first served." Let us have the order and we know you will be well pleased.

Galax is our specialty—we get it good—and have been pleasing people—hundreds of them—with "Better Galax for less money" for years. If not a customer it will pay you to get in line. Do it now. If not in the market for Galax at this time and will be interested in what we have to offer later on, drop us a card that we may get you on our mailing list. We guarantee satisfaction.

W. M. WOODRUFF & SON, Reference: 1st Nat'l Bk., Mt. Airy, N. C.; 1st Nat'l Bk., Galax, Va.; Duu and Bradstreet. Lowgap, North Carolina

Flower Market Reports.

Trade has been decidedly good in some lines of demand, especially the summer shipping trade to points north and on the coast. There is an enormous accumulation, however, of low grade flowers such as roses from young plants recently set out, asters, gladioli, etc. American Beauty of fairly good quality are in good supply but demand has fallen off very suddenly and it is the opinion of wholesalers that crops from points more or less distant are being at present diverted heavily in this direction which would indicate that outlets elsewhere are congested. Killarney roses are not selling proportionately as well as last year and it is in evidence that the trade are beginning to look with especial favor on those varieties which have shown points of superiority as "summer roses." Mrs. Taft (Prince de Bulgarie) and Radiance are among the popular newcomers in this line and the good old President Carnot is not losing a bit of its unique popularity. Kaiserin would be equally fortunate in the white class if only it did not bruise so readily. There are absolutely no buyers for the small flowers from stock in winter blooming rose houses. Very few carnations are seen and those are poor. In gladioli, Shakespeare, Lafayette and America hold the admiration of the trade beyond all others. In the main, however, gladioli in this market are unprecedentedly low in quality, due to the effects of dry weather. The worst

WHOLESALE FLOWER MARKETS.—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	CINCINNATI Aug. 8		DETROIT Aug. 8		BUFFALO Aug. 8		PITTSBURG Aug. 8	
Am. Beauty, Fan. and Sp.....	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00	25.00	to 30.00
" Extra.....	15.00	to 20.00	15.00	to 20.00	10.00	to 12.00	18.00	to 20.00
" No. 1.....	10.00	to 12.00	10.00	to 12.00	6.00	to 8.00	10.00	to 15.00
" Lower grades.....	5.00	to 10.00	4.00	to 10.00	2.00	to 4.00	5.00	to 8.00
Richmond, Chataway, Fan. & Spl.....	5.00	to 8.00	6.00	to 9.00	5.00	to 6.00	6.00	to 8.00
" Lower Grades.....	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00	2.00	to 4.00
Killarney, Maryland, Fan. & Spl.....	5.00	to 8.00	6.00	to 9.00	5.00	to 6.00	6.00	to 8.00
" Low. Grades.....	3.00	to 4.00	3.00	to 6.00	2.00	to 4.00	2.00	to 4.00
Bride, 'Maid,	3.00	to 6.00	3.00	to 8.00	2.00	to 5.00	.....	.....
Kaiserin, Carnot, Taft	3.00	to 8.00	3.00	to 8.00	3.00	to 6.00	.....	to 10.00
CARNATIONS, First Quality	2.00	to 3.00	.....	to	1.50	to 2.00	.....	to 2.00
" Ordinary	1.50	to 2.00	1.00	to 2.00	1.00	to 1.50	.....	to 1.00
MISCELLANEOUS								
Cattleyas .....	.....	to .....	.....	to 75.00	.....	to 75.00	.....	to
Lilies, Longiflorum.....	10.00	to 12.50	10.00	to 12.00	10.00	to 12.00	10.00	to 12.50
Lily of the Valley.....	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Gladioli	2.00	to 4.00	3.00	to 4.00	3.00	to 6.00	2.00	to 5.00
Stocks.....	.....	to .....	.....	to .....	.....	to .....	.....	to
Asters.....	.....	to 10.00	.....	to .....	.....	to 2.00	.....	to 3.00
Daisies.....	.....	to .....	.....	to .....	.....	to .....	.....	to
Snake-dragon.....	.....	to .....	.....	to 1.00	2.00	to 3.00	.....	to
Sweet Peas.....	.....	to .....	.....	to .25	.....	to .30	.....	to .25
Gardenias.....	.....	to .....	.....	to .....	.....	to .....	.....	to
Adiantum.....	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50	.....	to 1.25
Smilax.....	12.50	to 15.00	.....	to 15.00	8.00	to 10.00	15.00	to 20.00
Asparagus Plumosus, strings (100)	25.00	to 50.00	25.00	to 40.00	40.00	to 50.00	30.00	to 50.00
" " & Spreu. (100 bchs.)	.....	to 25.00	25.00	to 40.00	25.00	to 40.00	30.00	to 50.00

failure is the asters. The market places are clogged up with bushels of asters—small, twisted, half developed freaks, showing the terrible results of the roasting and drying up which they have suffered except where they happened to be planted in low wet ground. Of the latter there are only a few; the aster crop, as a whole, may be pronounced a dismal failure this year. Lilies and lily of the valley normal in all respects.

The first week in August CHICAGO was not a very satisfactory one to either the retail or the wholesale trade. There has been a decided falling off in the local demand, owing partly to the number

of people now out of the city, and also a diminishing of the shipping business. More out-of-door flowers, which are thriving as a result of the recent rains, are doubtless being used by flower lovers, and from now till frost comes the chances are that the demand will be lighter than in July, which was a particularly good month with most florists here. Asters are now here in quantity, and the first really long stems were seen this week. They were consigned to the J. A. Budlong Co., and were nearly three feet long. Indications are that the late crop will be all that can be desired. Carnations cut from the field plants are of course

(Continued on page 217.)

M. C. FORD
Successor to
FORD BROTHERS
121 West 28th Street NEW YORK
FINE ROSES. FANCY CARNATIONS
A Full Line of All CUT FLOWERS.
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Wholesale Commission Florist,
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All choice cut-flowers in season. Send
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NEW YORK CITY
Telephone 2921 Madison Square Open from 5 a. m. to 6 p. m.

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Fresh Cut Evergreens, Mosses.
Southern Smilax, Galax and Luscious.
Preserved and Fresh Cut
Cycas and Palmetto.
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Florists' Supplies
We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Flowers, Decorative Greens and Florists' Regalia

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by the 100, 1000 or 10,000
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CHOICE CUT FLOWERS
133 West 28th Street, New York
Telephone—3532-3533 Madison Square

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THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES AND CARNATIONS
JAMES McMANUS Tel. 759 55 W. 28th St., New York
Mad. Sq.

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS

	Last Half of Week ending July 5 1911		First Half of Week beginning Aug. 7 1911	
American Beauty, Fancy and Special.....	15.00	to 20.00	15.00	to 20.00
" " Extra.....	10.00	to 15.00	10.00	to 15.00
" " No. 1.....	4.00	to 6.00	4.00	to 6.00
" " Lower Grades.....	1.00	to 3.00	1.00	to 3.00
Richmond, Chateaufort, Extra and Special.....	2.00	to 3.00	2.00	to 3.00
" " Lower Grades.....	.50	to 1.00	.50	to 1.00
Killarney, My Maryland, Extra and Special.....	1.50	to 3.00	2.00	to 3.00
" " Lower Grades.....	.50	to 1.00	.50	to 1.00
Bride, 'Maid.....	.50	to 3.00	.50	to 3.00
Kaiserlin, Carnot Taft.....	.50	to 5.00	.50	to 5.00
Carnations, First Quality.....	1.00	to 1.50	1.00	to 1.50
" " Ordinary.....	.50	to .75	.50	to .75

BADGLEY, RIEDEL & MEYER, Inc.
WHOLESALE FLORISTS
34 West 28th Street, New York
Telephones { 1664 { Madison Square
1666 {
CONSIGNMENTS SOLICITED

SIEBRECHT & SIEBRECHT
Wholesale Florists
Phone 8346 Madison Square
CONSIGNMENTS SOLICITED
136 W. 28th St., New York City

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TRAENDLY & SCHENCK
Wholesale Florists
131 West 28th St., New York
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CENTRALLY LOCATED, THE HUB OF THE
FLOWER MARKET SECTION
CHARLES MILLANG
Wholesale Florist
55 & 57 W. 26 St., NEW YORK
Telephone 7062 Madison

Wired Toothpicks
Manufactured by
W. J. COWEE, BERLIN, N. Y.
10,000.... \$1.75; 50,000.... \$7.90. Sample free
For sale by dealers

A. L. YOUNG & CO.
WHOLESALE FLORISTS
Choice Cut Flowers
CONSIGNMENTS SOLICITED
54 West 28th St., NEW YORK
Prompt Payments. Telephone 3559 Madison Sq

FRANK MILLANG
Wholesale Florist
55-57 West 26th St., NEW YORK
Shipments, any quantity, Whole-
sale Market Rates.

ROBERT J. DYSART
Public Accountant and Auditor
Simple methods of correct accounting
especially adapted for florists' use.
Books Balanced and Adjusted
Merchants Bank Building
28 STATE ST. - - - BOSTON
Telephone, Main 58.



Flower Market Reports

(Continued from page 215)

very short of stem, but many have fine color and good size. Roses are of all kinds and conditions, small ones predominating as usual at this season. There are some very satisfactory Beauties in the market, lily of the valley as good as ever for the season, and a fine lot of miscellaneous stock for variety. Golden Glow marks the passing of the first half of the summer. Tritoma seems to have lost its powers of endurance in this market and drops almost invariably the day after arrival. A profusion of lilies of many kinds helps with the window displays, and combined with green make an artistic effect. There is plenty of all kinds of green.

CINCINNATI Business is only fair. Flowers of all kinds are plentiful. Beauties, considering the season, could not be improved on. Tea roses are again coming in heavy crop and only the better grades move with any degree of regularity. Asters are becoming too numerous for the market demands. The majority of those received are of an inferior quality. There is an over abundant supply of gladioli, light and bright tints having the best call, the dark shade moving slowly. Longiflorum, auratum and speciosum lilies find a fair market. Green goods in ample supply.

NEW YORK The situation as it exists here is not noticeably different from what it has been in previous years except that asters, field carnations, gladioli and other things dependent largely on outdoor weather conditions run much lower in grade than ever before. The only real good stock in this line is that from growers who have used water unsparingly or have planted on land at water level. Quality runs low on very many specialties, particularly roses. While there is a reasonable demand for such occasional first class stuff as may be obtainable yet the conditions generally are those of mid-summer and there is nothing that can be done to change them. The main satisfaction lies in the fact that they cannot get any worse. There is practically no out of town shipping trade in this market and the little agitation which other centres enjoy in these otherwise indolent times is denied the New Yorker, who must look to his own home market for flower buyers or else commit hari kari.

PHILADELPHIA For the first three days of last week, the market was all that could be desired. Then—every-

MICHIGAN CUT FLOWER EXCHANGE, Inc.
WHOLESALE COMMISSION FLORISTS
Consignments Solicited
Hardy Fancy Fern Our Specialty
38-40 BROADWAY, DETROIT, MICH

WILLIAM H. KUEBLER
Brooklyn's Foremost and Best
WHOLESALE COMMISSION HOUSE
A First Class Market for all CUT FLOWERS
28 Willoughby St., Brooklyn, N. Y.
Tel. 4391 Main

WILLIAM F. KASTING Co.
Wholesale Florists
383-387 ELLICOTT ST. - - BUFFALO, N. Y.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Aug. 5 1911		First Half of Week beginning Aug. 7 1911	
Cattleyas.....	20.00	to 50.00	20.00	to 50.00
Lilies, Longiflorum.....	4.00	to 5.00	4.00	to 5.00
Lily of the Valley.....	1.00	to 3.00	1.00	to 3.00
Gladioli.....	.60	to 3.00	.50	to 2.00
Stocks.....	.50	to .75	.50	to .75
Daisies.....	.10	to .25	.10	to .25
Snapdragon.....	1.00	to 2.00	1.00	to 2.00
Asters.....	.25	to 3.00	.25	to 3.00
Sweet Peas (per 100 bunches).....	1.00	to 3.00	1.00	to 3.00
Gardenias.....	15.00	to 20.00	15.00	to 20.00
Adiantum.....	.50	to .75	.50	to .75
Saxifraga.....	5.00	to 8.00	5.00	to 8.00
Asparagus Plumosus, strings.....	.....	to 35.00	.....	to 35.00
" & Sprea. (100 bchs).....	10.00	to 20.00	10.00	to 20.00

thing went to pieces. The demand in all lines seemed to vanish into thin air. On top of this latter situation stocks came piling in more than usual. Especially was this the case with the important summer crops such as asters and gladioli. These latter were unusually plentiful and when Saturday came there was a big unsold pile which went with difficulty. There was a lot of other outdoor stock: such as hydrangeas, golden glow, phlox, gaillardia and so forth. Consequently—there is no clapping of cymbals in our midst; but on the other hand we are not as yet altogether playing the Dead March in Saul. Our high hopes were shattered; but we are not quite yet in the Slough of Despond! American Beauty sold well—so did My Maryland—and Killarney is getting better. A pleasing novelty in pink roses has appeared—Prince de Bulgarie—from local sources. A fine summer rose of a pleasing silvery pink. All greens are too plentiful. Stephanotis is a refreshing novelty. Orchids are scarce and dear. Carnations are down and out. Gardenias are small but good and clean. Lilies good—never saw them better.

The market all through **ST. LOUIS** the last week was in excellent condition, all the wholesalers having plenty of stock of everything in season, and a glut was on in asters and gladioli, many more of these coming in from our local growers than the trade could handle, and the price went down, almost cut to half of the week previous. Asters are also low. Roses are coming better and sold low also. Long Beauties are very cheap. Carnations are scarce and will be for a time. The retail trade is very dull, and on many days it is the duller in years. They expect it to be so for this month at least.

Detroit.—During the early part of the week flowers were exceedingly scarce, but towards the end hot weather and lessened call brought about a great surplus in all lines.

CHICAGO NOTES.

A Progressive Place.

The Edgebrook Nurseries of The Geo. Wittbold Co. are well worth a trip of inspection to anyone interested in plants. Everywhere in the greenhouses are cement benches, even the high benches under the glass being of cement and all can be taken down and moved about at will. The regular benches are many of them "doubledecked." The lower one rests on feet that are short and wide at the bottom and the upper bench has four foot posts resting on the first bench. This arrangement greatly adds to the capacity of a house and affords a fine place for forcing and storing bulbs. The stock looked so uniformly good that it is hard to particularize but some *Dracena Massangeana*, *Cibotium Schiedeii*, and cycas were especially noted. A bed of 8000 thriving young *Asparagus plumosa* are worth mention. The eighty acres of nursery stock must be seen to be appreciated and it is a credit to Otto Wittbold who has had charge of it since the place was first started and who helped fell the timber which originally covered the ground.

Some Foley Greenhouses.

The Wm. E. Lynch Co. have their range of greenhouses on Harlem Ave. ready for glazing. The material was furnished by the Foley Manufacturing Co., with their channel iron gutters and maleable iron bar fasteners. 300 feet of continuous ventilation are secured by their apparatus. A similar plant by the Heller Bros. of New Castle, Ind., is now being erected, and all material for this is also furnished by the Foley Manufacturing Co. An extensive exhibit of greenhouse material has been shipped to Baltimore, and a greenhouse will be shown having all the latest Foley improvements, and if

In Summer Quiet Prepare for Fall Hustle

Middle of August already and time to think over the situation and plan for the best means of turning your flower product into its equivalent in cash next winter.

You want to deal with a house of long standing? One with a well established trade and good line of regular customers? One where best market values are upheld? Where prompt and trustworthy returns of sales are made? Where all obligations are met when due? All these you have a right to demand and we can fulfil them all. Have been doing it for many years and are doing it now.

YOU ARE INVITED

When going to or from the Convention to call and inspect our establishment, our facilities and methods. The oldest established cut flower commission house in the famous 28th Street District.

P. J. SMITH

Successor to JOHN I. RAYNOR

49 West 28th St., New York City

possible Phil. Foley will be in charge in person.

Trade News.

N. J. Rupp of the John C. Moninger Co. will attend the Baltimore Convention, as is his usual custom. There is no one better posted on the subject of right methods and right materials for making a good greenhouse plant than Mr. Rupp. Mr. McKee of the same firm states that florists generally are building a much better class of greenhouses than formerly. Their new catalog will be sent for the asking.

Frank Oechslin's new range of houses for palms and ferns is about completed, and will be planted by the time this is in print. They cover 125x130 square feet of ground, and are a great addition to his range, occupying a space nearer the entrance and with the cement walls and walks make a very neat appearance. The Foley Man-

ufacturing Co. furnished the material, and a Kroeschell boiler No. 12 was installed. Anyone interested in plants will be well repaid for a visit to this model establishment.

At the E. H. Hunt supply house new goods in all lines are coming in to take the place of the quantities that were moved out during their pre-inventory sale. A. F. Longren, salesman, who has just returned from a very successful trip thinks the conditions favorable to an active fall trade in all kinds of florists' supplies. A new man has been added to the force, R. H. Starbuck, who will take care of the western territory. A new wholesale catalog will be ready for distribution Sept. first, and should be in the hands of every florist.

Personal.

J. Starrett, the LaSalle Hotel florist is away receiving treatment for rheumatism.

James G. Hancock is calling on old

friends in Grand Rapids and other Michigan points this week.

Frank Pasternick has the sympathy of the trade in the loss of his mother whose death occurred last week.

Geo. Woodward who has been ill all summer following an operation is soon to take a vacation. He will spend some time in Lake Geneva, Wis., which, his friends hope, will go far toward his complete recovery.

C. N. Dickinson is combining business with pleasure at his summer home on Pelican Lake and writes that he has closed contracts for a good supply of Christmas green including berried stock.

Wm. Allen is now in charge of the conservatories in connection with the retail store of Schiller, the Florist, at 2221 West Madison street. Mr. Allen had several years of experience in the east when he first came from England, and has been with F. Oechslin the past year, so is very well fitted for the position.

1877

1911

THE RELIABLE HOUSE

**Established 34 years. No competition has ever been able
to undermine its standing with the Florist Trade**

Whatever is worth having in Fresh Flowers, Greens
or Florists' Supplies you will find here, satisfactory in
quality and price. Finest facilities in the country for
receipt, storage and shipping. Consignors' individual
interests carefully conserved.

WELCH BROTHERS

226 Devonshire Street, - Boston, Mass.

CONVENTION GREETINGS

To the Members of our great National Society
with best wishes for an uplifting and inspiring
occasion at Baltimore.

Should you pass through NEW YORK CITY
don't fail to call at 55-57 W. 26th Street, street
floor. You will find a busy little place and the
glad hand, the most eligible and central location in
New York for the wholesale flower trade. Whether
you wish to

BUY OR SELL

The time will be well spent—"And Don't For-
get the Number."

CHARLES MILLANG, ⁵⁵⁻⁵⁷ W. 26th St., **NEW YORK**
WHOLESALE PLANT AND FLOWER DEALER

1887

1911

GREETINGS TO THE S. A. F. CONVENTION —

Once again I extend my congratulations and best wishes for a prosperous Convention and the opening of a big fall business. The history of this "Old and Reliable" establishment for a quarter of a century is well known. It stands on its record as a **Wholesale Flower House** on which Grower and Retail Dealer can depend for a **Square Deal** always.

Call on your way to or from Baltimore and see the finest Gladioli coming to New York. Lots of other specialties also.

J. K. ALLEN
106 W. 28th. St., NEW YORK

'Phone 167-4468 Mad. Sq.

NEW ENGLAND HEADQUARTERS FOR FLORISTS' SUPPLIES

All Requisites in Green Material, Ferns, Galax, Laurel, Leucothoe, etc. Folding Boxes, Wire Work, Cycas Leaves, Baskets in great variety, Vases, Ribbons, Sheaves, etc., etc.

Bay Trees and Box Trees

ANY QUANTITY, ANY SIZE, FIRST QUALITY.
Auction Sales, Spring and Fall, of Trees, Shrubs, Evergreens, Florists' Plants and all Horticultural Material.

CUT FLOWERS

FINEST GRADE OF ALL FLOWERS AT BOSTON MARKET PRICES
SHIPPING TRADE SOLICITED

N. F. McCARTHY & CO.
84 Hawley St., BOSTON.

WE STRIVE TO PLEASE

THIS IS THE HOUSE THAT NEVER DISAPPOINTS

Largest Flower Handlers in the United States. Receiving Stock Regularly from over 100 of the Best Growers in the Country.

HEADQUARTERS FOR FLORISTS' SUPPLIES AND ALL KINDS OF EVERGREENS

We occupy over 20,000 square feet of floor space in the heart of the business section of Boston. Beautiful Illustrated Catalogue on Request.

We Have Hundreds of Pleased Customers and Can Please You

Your Order Placed with us means a Regular Customer Afterward.

H. M. ROBINSON & CO.,

**15 Province Street, 9 and 15 Chapman Place
BOSTON, MASS.**

CHICAGO FLOWER GROWERS' ASSOCIATION

176 NORTH MICHIGAN AVE.

NOW SELLING THE STOCK OF OVER

SIXTY LARGE WHOLESALE GROWERS

OF CUT FLOWERS AND PLANTS

Our officers are all men well and favorably known to the trade — and backed with years of experience.

Pres. JOHN F. KIDWELL
Vice-Pres. E. MEURET

Treas. ANTON THEN
Sec'y. GEO. C. WEILAND

General Manager, OTTO W. FRESE

Our facilities are the very best for handling our large stock and we have a constant supply of all cut flowers in season.

American Beauties, White Killarneys, Pink Killarneys, Richmonds, Perle, Maryland, Kaiserin, Cattleyas, Violets, Lily of the Valley, Lilies, Asters, Chrysanthemums, Gladioli. Miscellaneous stock of all kinds and a full line of green always on hand.

We solicit share of your business and believe we can please you.

'PHONE RANDOLPH 5449

All telegraph and hurry up orders filled in shortest possible time. Store open from 7 a.m. to 5 p.m. during July and August.

SUNDAYS CLOSED AT NOON

Only "Special Delivery" letters are delivered in Chicago on Sunday.

YES, YES, THEY'D

Rose Growers, Carnation Growers
A Try at

But don't fool yourself into the idea that for this reason you will no longer have the jewelry trade to cut out Tiffany and the candy business to eliminate Hershey.

WHAT YOU WANT

IF YOU BUY ORCHIDS

PLEASE REMEMBER

that it must take many years before any establishment in this country can regularly assemble the product of so many noted collectors and growers of orchid specialties as are represented in the McMANUS aggregation. The stock we carry speaks for itself. All the Cattleyas are represented by the choicest sorts in their season; Laelias, Lelio-Cattleyas, Phalaenopses, Cypripediums, Dendrobiums, Oncidiums, Vandas, Miltonias, Odontoglossums, Calanthes, etc., etc. The Cattleya labiata will begin in about two weeks.



Telephone
759 Madison Square

JAMES

CATTLEYA HEADQUARTERS

ALL AT IT NOW

s, Plant Growers, All Taking
Cattleya.

the ORIGINAL ORCHID HEADQUARTERS. Might as well expect
to dispense with McMANUS if you want the best and if you expect to get
WHEN YOU WANT IT



IF YOU GROW ORCHIDS

PLEASE NOT FORGET

that this establishment has a long and honorable record in business, was the first and is still the largest distributor of Cattleyas and all other orchids, has been the most liberal advertiser in this specialty and that by turning in your product to me to sell for you, your flowers get the benefit of all this extensive advertising and wide publicity and the great advantage our all-the-year-round demand brings as compared with the uncertain results where orchids are as yet only a "side line."

OTHER SPECIALTIES--Gardenias, Lily of the Valley, Sweet Peas, White and Yellow Daises, Asparagus and Choice Ferns.

McMANUS

TERS, NEW YORK

55 W. 28th Street

THE FLORIST SUPPLY HOUSE OF AMERICA

Want you to see the best, biggest and brightest display of florists' supplies ever exhibited. It will consist of all the new novelties it was possible to procure.

Everything that is new will be shown

All the newest and best ideas in BASKETS.
All the best designs in foliage WREATHS.
All the newest kinds of FERNS in their natural and colored effects. IMPERIAL CHINA and TONEWARE in many novel and pleasing shapes.

All the best FOLIAGE for decorative purposes. CREPE FLOWERS of every suitable color and variety, combining flower effects which will prove interesting. Every article displayed will be sure to be a new one to you.

A large staff of salesmen there to show you about. Make our Exhibit Quarters your own. All are welcome.

H. BAYERSDORFER & CO.

1129 ARCH STREET, PHILA., PA.

SPEAKING OF PHILADELPHIA

While we have no wish to minimize the gigantic strides that many sections of the country have taken in horticulture during the past few years and while we glory in the progress of these, our neighbors and friends yet we think Philadelphia still holds her own as a horticultural center; distributing plants, seeds, bulbs and cut flowers to all parts of the world in ever increasing volume and consequently our national trade journal, **HORTICULTURE**, must still take cognizance of our good standing. That being granted, we beg once more to introduce our time honored "Philadelphia Section," setting forth why the wide-awake tradesman should look to Philadelphia for a large part of his supplies. In plants and seeds for the florist's trade we believe Philadelphia still holds the premier position notwithstanding the great and growing claims of other sections of the country. A careful perusal of the following pages of reading and advertising will emphasize the point. In this section do not overlook Philadelphia's absolute pre-eminence in the matter of florists' supplies. She has the world's record in that connection and has held for many years.

ROBERT CRAIG COMPANY.

A Typical Philadelphia Horticulturist —When You Think of Philadelphia You Think of Craig.

A walk through Craig's new place at Norwood, Pa., shows the brilliant results of another year's enthusiastic and intelligent work. For years celebrated for crotons, they have this year outdone all former efforts. In addition to the old standard varieties, they have five hundred seedlings of their own raising, some of which will form a feature at the coming convention exhibition; 15,000 *Dracaena terminalis*! such a lot was certainly never before seen in this country. Also *Phoenix Roebelenii* in better form than we have ever seen it.

Ficus Chauvieri, a plant which is here being developed in quantity, is one which Mr. Craig thinks will be a great addition to the list of house plants on account of its beauty and durability.

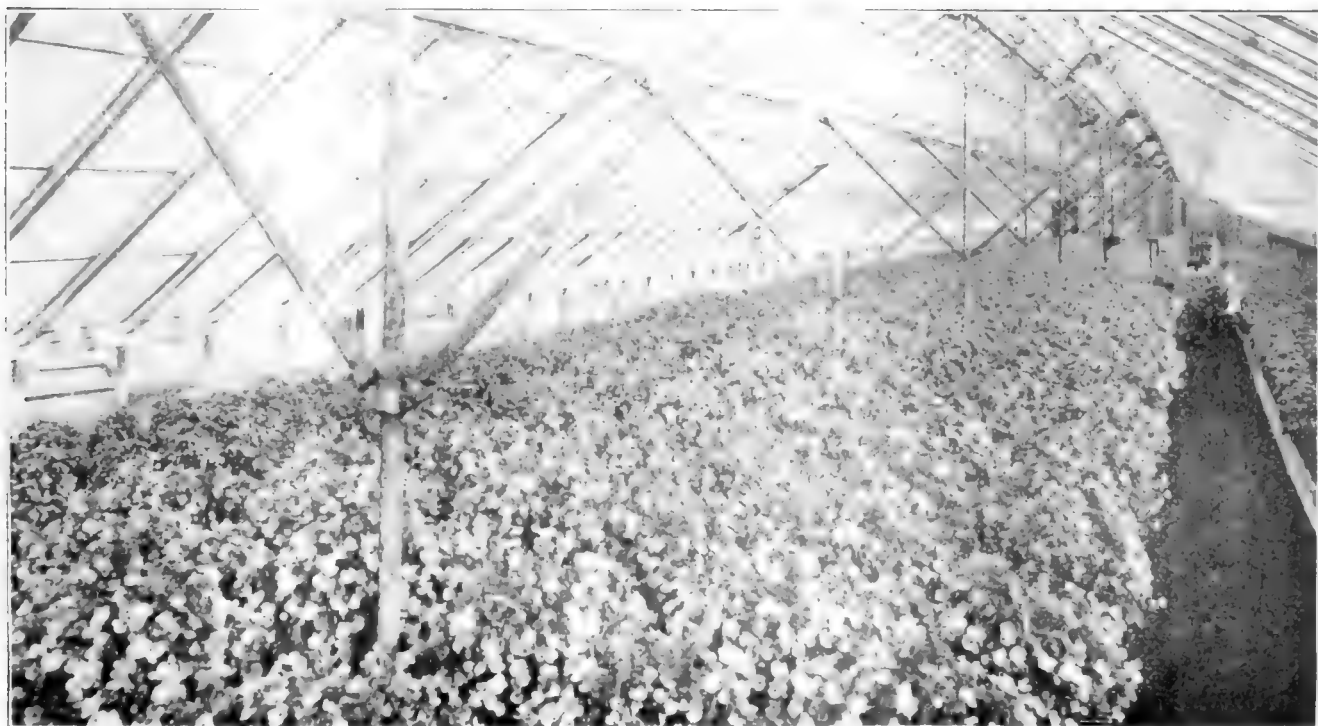
The ferns at Norwood are particularly fine. From the quantity under way, *Neph. Bostoniensis* "Harrisii" is a favorite, a decided improvement over

the old Boston variety. This was first distributed by the late Wm. K. Harris and has proven even better than he predicted it would. *Nephrolepis Elegantisima* "Improved" is another good one. For six or seven-inch pots it is the best of all, but *Neph. Scholzei*, *Bl.*, *Compacta* and *Todeaoides* are all grown in quantity, each being useful in its place. It would take too much space to name all the good things there. We say to readers of **HORTICULTURE**, go to see Norwood and you will be well repaid for the time taken. Extensive building improvements are underway.

Don't forget the old place at 49th and Market. Here's where they do things in quantity: 100,000 *Nephrolepis*, 30,000 *Cyclamen*, 30,000 *Crotons*, 10,000 *Pandanus Veitchii*, 50,000 *Poinsettias*, 20,000 *Lorraine Begonias* and 8,000 *Glory of Cinchona* being grown for Christmas. *Ficus pandurata* is again seen in quantity and as fine as ever before, but go see for yourself. The visit will repay you.

JOSEPH HEACOCK COMPANY.

An impromptu party of Philadelphians accepted the invitation of Senator Heacock to visit his company's new re-seeding plant, near Yardley, Pa.



HOUSE OF THE LONSDALE "LIGHT PINK LORRAINE" BEGONIA
at Robert Craig Co., Philadelphia.

Profit by the Progress of Others

The Progressive Firms in any line of business always give the Best in Material and Service. That is the reason for their progress.

Our Success, and consequent Progress is well known to all that deal with us, and they profit by their knowledge. Take advantage of the Best that is offered you. Investigate our Methods, and better your business opportunities.

Every year we strengthen our position, by better facilities and careful organization.

Why not take advantage of them for mutual profit?

THE LEO NIESSEN COMPANY

Wholesale Florists

1209 Arch Street, PHILADELPHIA

on the 3rd inst. Mr. Heacock and his close friend and neighbor, Thomas Logan, superintendent of Clement B. Newbold, joined the party at Jenkintown station, and from there on took them under personal supervision. At Redlofs station the "all out" signal was given, and after a walk of about a mile the Heacock place—a farm of 58 acres—was reached. On the western side of this, is the big glass structure with its appropriate outbuildings, storage rooms, etc. The visitors were greatly interested in the arrangements in heating, pumping, etc. An artesian well 200 ft. deep gives a four-inch stream, with steady flow, and no pumping into a tank is required. The greenhouse of Lord & Barnham construction covers about 45,000 square feet and is planted mainly with Killarney roses. A very few Richmonds are grown at one end. The establishment is reported to have shipped the best Killarney's reaching the Philadelphia market the past season, and to have secured the highest returns of this vicinity, which speaks well for Mr. Heacock, and for his able foreman, Robert Jarman. Following the greenhouse visit came a boundary walk around the farm. The truck crops and the live stock showed up in fine condition. The glass houses, covered and porticoes, were all of the latest pattern. The latter are so well trained that they will run from one end of the orchard to the other when there is an apple fall. Under a grateful shade of spreading trees on the lawn, light refreshments were served by the host. A most pleasant and instructive afternoon was spent, for which Mr. Heacock expressed and received the thanks of the party.

LEO NIESSEN CO.—The steady growth of this firm is well known to all who are familiar with the cut flower commission business. Although a corporation, the business is conducted solely by Messrs. Leo Niessen, president, and Arthur A. Niessen, secretary and treasurer. From a most humble beginning their business has grown to such proportions that today it is considered one of the largest of its kind. By no means are they satisfied with what they have accomplished in their particular line, and their progressive spirit can readily be seen by the plans which are now under way, which will increase their facilities three-fold. A new building is to be erected in the heart of the city, which will rival any establishment of its kind in the country. It will have every possible advantage, such as a central location, up-to-date equipment, an abundance of daylight, and—what would seem most essential—the kind of management that insures continued growth and more success in the future. Unless the business principles of this firm are correct and of a high standard, it would have been impossible for them to have accomplished what they have.

BERGER BROS.—This firm, composed of Harry and John Berger, was established in the wholesale flower commission business in 1901, at 1229 Filbert street. They had been well trained to the florist trade before this, having been associated with their father, William Berger of Germantown. Their business has been a success from the start and they are looked upon as one of the most promising of the younger firms who have lately entered the ranks.

PENNOCK BROS.—This retail florist house was founded forty years ago by Abram L. Pennock. The location was then on 12th street between Market and Chestnut streets. In 1866 his brother, Joseph Liddon Pennock was admitted and the firm name became Pennock Bros., which it has remained ever since. On account of failing health J. L. Pennock retired and shortly thereafter Thomas Cartledge and John Westcott became partners. The present members of the firm are J. Liddon Pennock (a son of Abram L. Pennock) and A. B. Cartledge (a son of the late Thomas Cartledge). The store is located at 1514 Chestnut street and is a model for completeness and up-to-date equipment. Notwithstanding keen competition, brainy and aggressive rivalry, this old house holds its own, getting its full share of the creme-de-la-creme of the flower trade of Philadelphia.

GODFREY ASCHMANN.—In the florist business at 1012 Ontario street since 1886—previous to that he had been a jobbing gardener for seven years. His three sons—John, Howard, and Edward—are now associated with him in the business, which has grown to considerable proportions. Mr. Aschmann makes a specialty of flowering and foliage plants for Christmas and Easter—particularly begonias, azaleas, lilies, palms and araucarias. He does an extensive shipping trade, having worked this up by unique advertising methods through the trade papers. The glass area is estimated at 25,000 square feet. Much of the stock offered for sale is imported—Mr. Aschmann making frequent trips to Europe for the purpose of selecting the best bargains.

Quality Service Prices

Are essentials which you seldom receive together. Usually one or the other is sacrificed at the cost of the third. We have combined the **THREE**, so you are getting the Quality and Service without paying the Premium.

EDWARD REID

Wholesale Florist

1619-21 Ranstead St.,
PHILADELPHIA, PA.

BUYER AS WELL AS SELLER

Much is heard of how to sell goods—the buyer seems to be taken for granted. On the contrary, we think the buyer entitled to equal consideration. Well bought is half sold. We aim to be the faithful servant of both buyer and seller. Equal justice to both is our motto. Send your order or consignments to us and judge.

BERGER BROS.,

Wholesale Florists

1305 Filbert St.,

PHILADELPHIA

PENNOCK BROS.

**Retail Orders Filled and
Promptly Delivered**

1514 CHESTNUT STREET

Philadelphia, Pa.

H. BAYERSDORFER & CO.

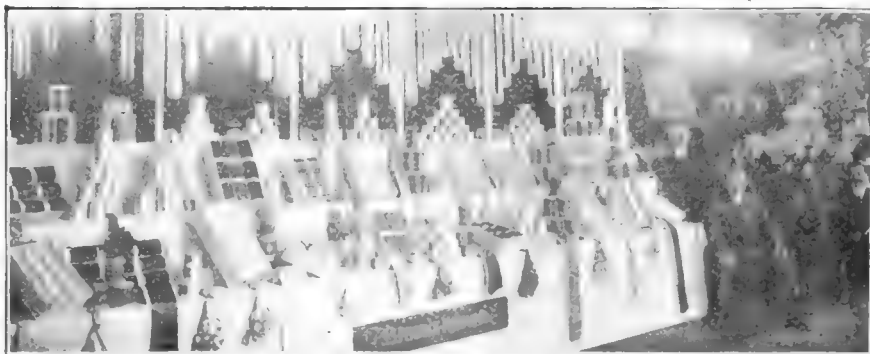
I like to see the drummer fly
As flits the painting train
With polished samples in his
And business on the brain
He jumps into a little place
Pursues the buying men
In whirlwind words presents a case
And then jumps out again

When he is on the job in fact
A creature to begeth
He takes the little town by storm
And holds it with his charm
For when his samples are displayed
To the discerning eye
What can the gentlemen in trade
Do but succumb and buy?

As busy as a bundle bee,
As happy as a lark,
He works the town from A to Z
From morning until dark,
And everyone is filled with joy
When he gets off the train
And when he goes they say, "Good boy,
Be sure to come again!"

When it comes to Baltimore and Baltimore florists nobody is more at home or more welcome than Harry Bayersdorfer for, "lo, these many years" ever since the good old days of "Johnnie" Feast, "Bob" Halliday and "Jim" Pentland. In Mr. Harry or any one of the genial representatives of The Florists' Supply House of Philadelphia is exemplified the ideal type of persuasive salesman. They say that there is no florists' supply house of any extent in Baltimore. Why should there be so long as H. Bayersdorfer & Co. wave? And this is true of many other places as well. Nine hundred square feet of floor space has been secured for the big Bayersdorfer display at the Fifth Regt. Armory. Don't miss seeing it and having a talk with one of the merchant princes in attendance. You'll get an idea of the florists' sup-

AN INTERESTING RIBBON EXHIBIT.



The illustration shows an interesting exhibit of florists' ribbons, a branch of the business which in recent years has assumed large importance. To the experts in this line each flower has suggested some beautiful ribbon production, each one more beautiful than the last. Perseverance, taste and applica-

ply business and how essential it is to your trade in these hustling times.

EDWARD REID.

We have often had occasion to say a good word about this old established commission florist and we have not said half enough. Mr. Reid is one of the shrewdest of the craft, and has been an important factor in the flower trade of Philadelphia all his life. His early training was in the growing end of the business. Then came a period of commercial training on the receipt of the then great seed house of Z. D.

tion have enlarged the selection greatly, and the flower retailer can now find an immense variety of materials in charming shades of color. The above picture gives a glimpse of part of the display of the Pennock-Meehan Co., of Philadelphia, at the National Flower Show last March.

Forest Ely & Co. In addition to this comprehensive fundamental training, careful management, ample capital and up-to-date methods have lent Mr. Reid to the forefront. Mr. Reid has friends and customers everywhere, but especially does his aptitude shine in the sunny south, where he is universally known and truly beloved. His slogan is "Quality and Service." And as an addenda to that he says "Prices"—meaning that while you get quality and service you pay no more than you would where there are lacking. Is it any wonder his business grows?

SWEET PEAS AT FORDHOOK, 1911.

When one wishes to get a line on the very latest developments in sweet peas it is best to go to headquarters. That is Fordhook, of course. The Burpee sweet pea expert has very kindly furnished us with some information about the most striking of the newer sorts which we have pleasure in passing along to our readers. George W. Kerr has lived among the sweet peas in the field for many years and knows them as a mother her children—so what he had to say in response to your interviewer's questions may be taken as authentic. On being asked what varieties were most promising for next season he said:

Among new sweet peas for next season the most outstanding are undoubtedly Vermillion Brilliant, Irish Belle, Margaret Madson, Rainbow, Pearl Gray and Margaret Atlee.

Vermillion Brilliant is, as the name implies, a glowing crimson-scarlet variety and I would unhesitatingly say it is easily the best and most distinct of its color, the flower being a decided self, that is the standard and wings being of the same shade of reddish crimson.

Irish Belle is a unique shade and might be termed a lavender self suffused throughout with rose. It is, however, a color most difficult to describe.

Margaret Madson is a beautiful pale blue or lavender of much the same color as Mrs. Geo. Higginson, Jr., a favorite grandiflora variety. This is undoubtedly a gem.

Margaret Atlee I consider one of the most beautiful varieties of sweet peas. The color is apricot on cream ground, the flowers being of immense size, quite a large proportion being produced with double or triple standards.

All the above were awarded certificates of merit by the National Sweet Pea Society at their recent show in Philadelphia, the first named variety, Vermillion Brilliant, receiving the silver cup offered by the Philadelphia North American for the best new variety not yet in commerce.

Of the varieties sent out last year those of outstanding merit are Stirling Stent undoubtedly the brightest and most glowing color in sweet peas. It might be described as a rich orange with suspicion of scarlet. It is early and a free flowerer and, strange to relate, it burns but very slightly even in the hottest suns.

Florence Nightingale is a clear lavender which might be described as Asta Ohn without the rosy suffusion on the standard. This is a variety that we are certain would hold its place as the standard lavender for many years to come.

Chas. Foster is quite new as to color scheme, the combination in this variety being most difficult to describe. The ground color is mauve through-

out on which we find pinkish suffusions and veinings. In some stages of growth it is rather washy in appearance and although it seems to have created quite a furore in England we do not think it will ever become very popular in America.

Earl Spencer is another very fine variety and approaches somewhat Stirling Stent but is not quite so glowing in color. Although said by many to be synonymous with the latter variety it is really quite distinct and is a most desirable sort.

Ethel Roosevelt although a striped variety has made quite a name for itself this season and has been much admired wherever grown. The striping, however, is so delicate that it has not the bizarre appearance of some of the heavier flaked varieties such as Gaiety, etc. Another name for this variety, by the way, is Mrs. Tegwell, the latter variety having been sent out this season by an English firm.

Arthur Green might be described as an immense Spencerized Duke of Clarence and there is certainly a place for this fine variety.

Edrom Beauty which was raised on the other side of the "pond" and sent out with most glowing recommendations we consider nothing better than a good stock of Helen Lewis.

Martha Washington has been renamed quite a number of times this season it having been sent out in England under the names of Marchioness of Tweedale, Eric Harvey and Paradise Apple Blossom. This variety pleased me exceedingly last season and I cannot say that I am disappointed with it this year as it is undoubtedly a chaste and dainty pea, the delicate rose markings on pure white ground making it a very attractive sort.

In blues we have this season made some wonderful additions in the Spencer class, the most outstanding varieties being May Farquhar, which might be termed a Lord Nelson—colored Spencer and Paradise Navy which approaches May Farquhar in color and may be more of a true blue shade.

I was greatly disappointed with Maud Holmes and Sunproof Crimson and after careful comparisons throughout the growing season I put them down as being similar to good American stocks of King Edward Spencer.

On being asked to give a list of the most distinct and best varieties of Spencers suitable either for exhibition or market work Mr. Kerr said he would unhesitatingly plump for Countess Spencer, Florence Morse Spencer, King Edward Spencer, Mrs. Routzahn; Helen Lewis, Geo. Herbert, Florence Nightingale, Primrose Spencer, White Spencer, Othello Spencer, Mrs. Hugh Dixon, W. T. Hutchins, Constance Oliver, Marie Corelli, Mrs. C. W. Breamore, Dainty Spencer, Miriam Beaver and Stirling Stent. Of course, this is only a matter of individual taste and perhaps the next grower if asked to make his selection might suggest quite a number of alterations in this list.

The latter list should be made a careful note of by those who wish to avoid a too large list (and at the same time desire only the very best) as Mr. Kerr is in a position to know thoroughly the immense number of named varieties now catalogued.

G. C. W.

EVERGREEN SEED GARDENS,
TORRESDALE, PA.

Not quite two years old this place—the nursery department and trial grounds of the Michell Seed House of Philadelphia ranks among the most progressive and up-to-date establishments of its kind in the country.

Though well supplied now with modern dwellings, greenhouses, stables, storage houses, etc., and an unlimited number of frames the firm is planning to add several large houses to take care of their supply of hardy roses, which in the near future will be the leading feature of these gardens. An immense collection has been already planted with the intention of retaining them as a permanent attraction to which will be added each year's new introductions so that visitors will here find a most complete collection. The land and location seems to be very favorable for the cultivation of the rose. Eighteen men are at present employed here.

Fully 20 acres are devoted to the growing of perennials and in addition there are more than 500 frames which contain perennials in pots, and are equipped with the overhead watering system. Henry F. Michell Co. found the demand for perennials during the summer months so great, that the quantity provided for another year is tenfold.

On a spacious lawn facing the railroad are three colossal circular beds filled with cannas and salvias, the centre bed containing Mrs. Wallace, yellow, with King Humbert, red. Canna Mrs. Wallace is regarded as the best pure yellow for bedding. Directly behind the lawn are blocks of hardy phloxes, at least 50,000. The latest novelties are included, yet one cannot fail to be impressed with the pure white, Mrs. Jenkins, which is by far the best in its class.

Cannas are seen here by the acres, very effective for advertising purposes. Gladioli and dahlias are a new feature for these gardens this year. Particularly showy is Gladiolus "Kunderdi Glory." Dahlias are looking very promising, but are not yet in bloom.

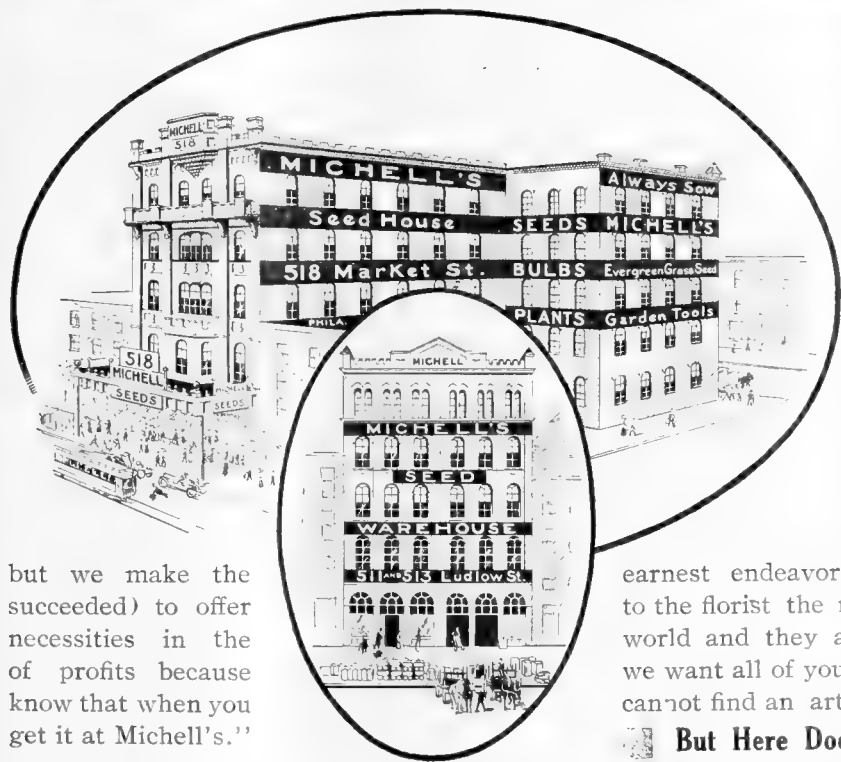
A most interesting spot is the trial of novelties to which an immense stretch is given over. A good novelty is *Oenothera Americana*, a product of Luther Burbank. The immense flowers do not open until dusk. They are pure white in the evening, and beautiful pink in the morning. The new-colored salvias, white, yellow and salmon pink, are seen here to advantage.

A young nursery of shrubs has been started this spring, which includes a block of 100,000 California privets.

Philadelphia, Pa.—Mrs. Flora Shelley has purchased four acres of land at Highland Park and will erect a range of houses. Her property at Sixtieth and Pine streets has been sold.

MICHELL'S SPECIALTY

EVERYTHING THE FLORIST NEEDS



but we make the succeeded) to offer necessities in the of profits because know that when you get it at Michell's."

When we claim to specialize in "**Everything the Florist Needs,**" we mean just what we say. It is not a matter with us, like with some who pretend to be very saviours of the florist fraternity by trying to sell you just your lilies, or again your seeds or bulbs, and then claim they can serve you better, while the fact is that they specialize in that particular line, because it is most profitable to them. **No,** we don't want part of your trade by picking out that which is most profitable to us

earnest endeavor (and we believe we have to the florist the most complete line of florist's world and they are offered to you regardless we want all of your trade and we want you to cannot find an article anywhere else, you can

But Here Does Not End Our Service.

It matters little what you may need, your order may call for a box of toothpicks or for 50 cases of Lilies. You will find our service at all times equally courteous, prompt and painstaking. You will find the house ever grateful and what is most important, you will find **"QUALITY DISTINCTIVE."**

Our Fall Catalogue Just Out, Write for a Copy

WIRE STAKES FOR ROSES
No. 8 STEEL WIRE, GALVANIZED

	Per 100	Per 1000		Per 100	Per 1000
2 foot.....	\$0.60	\$5.50	5 foot.....	\$1.40	\$12.00
2½ " .....	.70	6.50	5½ "	1.60	14.00
3 " .....	.80	7.50	6 "	1.70	15.25
3½ " .....	.95	9.00	6½ "	1.85	17.50
4 "	1.10	10.00	7 "	2.00	17.50
4½ "	1.25	11.00	8 "	2.25	19.75

STAKES FOR MUMS

	CANE STAKES	100	500	1000	5000
Southern , very long, select quality.	\$0.75	\$2.75	\$5.00	\$23.75	
Japanese , very thin, about 6 ft. long.	.75	2.75	5.00	22.50	
Japanese , 3½ ft. long, dyed green..	.70	3.00	5.50		

UNPAINTED STAKES OR DOWELS

			Per 100	Per 1000
24 in. long,	$\frac{3}{8}$ in. diameter.....		\$0.50	\$4.00
36 "	5-16 "	and 36 in. x 3-16 in.	.65	5.25
36 "	$\frac{5}{8}$ "	"	.85	8.00
36 "	$\frac{1}{4}$ "	"	.65	5.25
26 "	$\frac{3}{8}$ "	"	.65	5.25
42 "	3-16 "	"	.75	6.00
42 "	$\frac{1}{4}$ "	"	.75	6.00
42 "	5-16 "	"	.75	6.00
42 "	$\frac{3}{8}$ "	"	.75	6.00
42 "	$\frac{5}{8}$ "	"	1.00	9.00

The above dyed green, 10c. per 100 or 50c. per 1000 additional.

**DON'T FAIL TO SEE OUR EXHIBIT AND MEET
OUR REPRESENTATIVE AT BALTIMORE.**

HENRY F. MICHELL CO.

518 Market Street, Philadelphia



— THE —

“Spencer” TYPE OF Sweet Peas

Burpee's Special Re-Selected Stocks for 1911

“SPENCER” SWEET PEAS are a great specialty with us! We were the first to grow the seed in America—the stock having been entrusted to us before introduction, even in England, of the original COUNTESS SPENCER. We have grown “the original Beauty” and its many “sportive” children with painstaking care each season since. There are but few other growers who can supply an equal assortment of TRUE RE-SELECTED “SPENCERS” that are uniformly of such choice quality.

You should try sweet peas from fall sown seed and thus obtain a bountiful supply of the choicest flowers to offer for sale Decoration Day and during the June commencements.



You can buy so-called “Spencer” Sweet Peas at half our prices—but the result will be only disappointment—and when in flower you will surely admit that you would gladly have paid **EVEN DOUBLE OUR PRICES** to have had the **BURPEE—QUALITY** of the **TRUE SPENCER TYPE!**

	Per pkt.	Per oz.	Per ¼ lb.	Per lb.
3133 ASTA OHN. A charming soft lavender.....	\$0.10		\$0.75	\$2.50
3134 APPLE BLOSSOM SPENCER. Of same coloring as the popular Apple Blossom.....	.10	.35	1.00	3.50
3135 AURORA SPENCER. An exact counterpart of Burpee's Aurora Sweet Pea.....	.10	.45	1.25	4.50
3138 BEATRICE SPENCER. White ground, tinted with pink and buff....	.10	.25	.75	2.50
3139 COUNTESS SPENCER. A soft rose-pink.....	.10	.20	.60	2.00
3140 CONSTANCE OLIVER. Delicate pink, suffused cream.....	.15	.75		
3143 ETHEL ROOSEVELT. Pink flakings or stripes on cream ground. Half-size packet (10 seeds) 15 cts.....	.25			
3144 FLORA NORTON SPENCER. A beautiful shade of lavender.....	.10	.50	1.50	5.00
3145 FLORENCE MORSE SPENCER. A light pink edged Countess Spencer.....	.10	.20	.60	2.00
3146 FLORENCE NIGHTINGALE. The best lavender Spencer. Half-size packet (10 seeds) 15 cts.....	.25			
3147 GEORGE HERBERT. Bright rosy-carmine.....	.10	.25	.75	2.75
3148 HELEN LEWIS. Crimson-orange; wings orange rose.....	.10	.20	.60	2.00
3152 KING EDWARD SPENCER. Deep carmine-scarlet.....	.10	.25	.85	3.00
3154 MRS. A. IRELAND. Buff ground suffused rose.....	.15	.50	1.35	5.00
3155 MARIE CORELLI. Brilliant rose carmine.....	.15	.85	2.75	10.00
3158 MRS. C. W. BREADMORE. Buff ground, edged with pink.....	.15	.40	1.10	4.00
3159 MRS. RUTZAHN. Apricot suffused with pink.....	.10	.35	1.00	3.50
3160 MRS. SANKEY SPENCER. Black-seeded White Spencer.....	.10	.20	.60	2.00
3161 OTHELLO SPENCER. Rich deep maroon.....	.10	.35	1.00	3.50
3164 PARADISE IVORY. Flushed rose on primrose ground.....	.10	.30	.85	3.00
3166 BURPEE'S PRIMROSE SPENCER. (Re-selected).....	.10	.20	.60	2.00
3169 QUEEN VICTORIA SPENCER. Deep primrose flushed with rose....	.10	.50	1.75	
3170 RAMONA SPENCER. Striped bluish pink on white ground.....	.10	.30	.85	3.00
3173 SENATOR SPENCER. Deep claret stripes on heliotrope ground....	.15	.65	2.00	7.50
3174 TENNANT SPENCER. Spencer form of Dorothy Tennant.....	.10	.50	1.75	
3180 WAVERLY SPENCER. Purplish maroon.....	.10	.35	1.00	3.50
3175 W. T. HUTCHINS. Cream, margined with bluish pink.....	.15	.85	2.75	10.00
3176 BURPEE'S WHITE SPENCER. (Re-selected).....	.10	.20	.60	2.00
3181 SURPASSINGLY SUPERB NEW “SPENCER” SEEDLINGS. A grand mixture of varieties of the true “Spencer” type.....	.10	.20	.60	2.00



The above prices are **NET** to Florists, except **PRICES PER PKT.**, which are subject to 33 1-3 per cent. discount.

BURPEE'S BLUE LIST FOR 1911

A Complete Catalog of 146 pages, for Florists and Market Gardeners, will be mailed upon application, **BUT ONLY TO THOSE ENTITLED TO RECEIVE IT.** Our Retail Catalog is Free to everyone.

W. ATLEE BURPEE & CO., Philadelphia

Great News For 1911



Introductory

The Baltimoreans promise to give the members of the S. A. F. one of the most successful conventions ever held. Those attending cannot but realize the wonderful value these conventions are, with their splendid lectures, interesting talks, discussions and trade exhibits. Aside from these, the value of the personal talks with the big men of our profession are often worth the trip. Always something to learn—their opinions on this subject or that, the merits of some of the new introductions in carnations, roses or other flowers, and how best to handle them. A novelty whether it is in the flower line or in some other branch of the business always proves interesting to everyone.

Our Exhibit

Our exhibit at Baltimore will be one of the finest ever staged, containing many things new in ribbons, supplies, and florists' accessories.

New Roses For 1912

In addition to these, we will have a splendid display of cut flowers, fresh each day, of the new roses, Double White Killarney and Killarney Queen, originated by The Bud-long Rose Co., and which are to be disseminated jointly by The S. S. Pennock-Meehan Co. and A. N. Pierson, Inc. (in the Spring of 1912.)

DOUBLE WHITE KILLARNEY with its stronger, more vigorous growth, larger and heavier flowers, double the petalage, and purer white is a tremendous improvement over White Killarney, and is sure to be a money maker to all who buy, not only for winter forcing, but for summer growing. We recommend it as being the best and grandest commercial White Rose today. As a summer rose, it is such an improvement over Kaiserin that there is no question about its replacing Kaiserin in that connection. At this writing it is three or four times as large as White Killarney.

KILLARNEY QUEEN is about three shades darker than Pink Killarney, and during dark and cloudy weather the color does not fade, but remains a bright, deep, rich pink. It is of very much more vigorous growth than Killarney, even a stronger grower than Double White Killarney. Flowers are about twice as large as Pink Killarney, about the same petalage, and borne on tremendously heavy long stems, larger and heavier foliage. Many consider this rose in the American Beauty class, its habit, growth, and size are so vigorous and far ahead of Pink Killarney.

Welcome to Visitors

We will be glad to have visitors make our exhibit their headquarters at any or all times during the Convention, where they will find Mr. Fancourt and his assistants glad to welcome them.

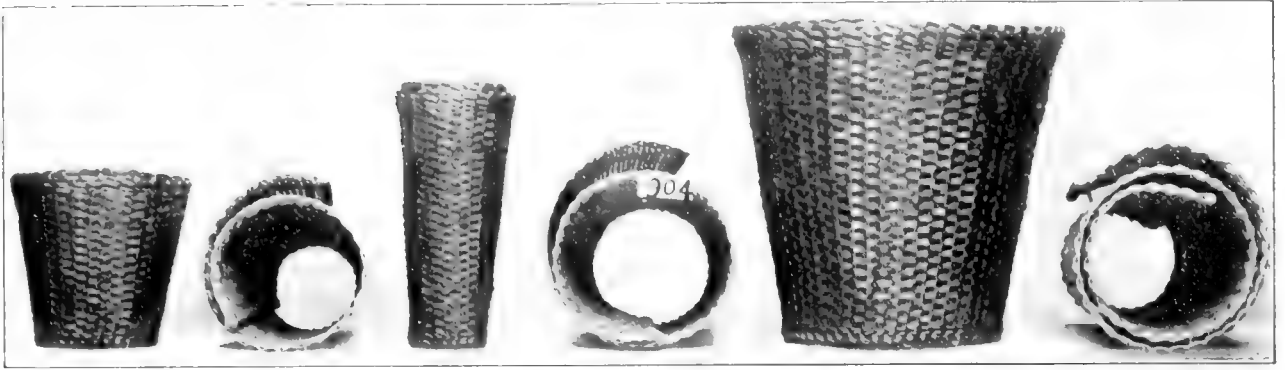
S. S. PENNOCK-MEEHAN CO.
THE WHOLESALE FLORISTS OF PHILADELPHIA

NEW YORK
109 W. 28th Street

PHILADELPHIA
1608-1620 Ludlow Street

WASHINGTON
1212 New York Ave.

ATTRACTIVE THINGS IN FLORAL REQUISITES.



Adjustable Pot Covers

A number of the very latest new things in floral requisites as displayed by M. Rice & Co., are unavoidably delayed in this column on account of



M. RICE.

the photographs not being ready. We illustrate instead a few of the more popular staples at present, all of which may be included among the out-of-the-ordinary and many of them among the new and novel. Wedding outfits, shep-

herd's crooks and adjustable pot covers are among the former and will appeal to our readers from the good taste in their designing and their artistic finish. There is an improvement on the elastic adjustable pot cover, the waterproof crepe paper in two colors which has been so popular of late. The new pattern is more artistically frilled, shows off the colors better and is said to be no higher in price.

In the ribbon department special attention is being paid to the production of ribbons to match the popular roses. One of the happiest produced so far is the Killarney pattern. This has a light pink sheen on one side and a dark pink dull finish on the other, secured by shooting two colors of silk in the weave. A most charming effect when folded in natural arranging, and an exact match for the difficult flower. Similar effects are in evidence for Richmond, Beauty, Liberty and Maryland. There are also the contrasting shades for the same varieties carefully studied out. Another item is chenille cord and tassel with a twisted appearance that makes same particularly attractive.

Bridal scarfs in Venetian lace and in many filmy and artistic patterns are having a great run. Two yards long and varying in width from nine to twelve inches.

Miniature Panama hats are a specialty that pleases many. Can be used for favors and also for cluster flowers in corsage bouquets.

Shields for corsage bouquets are an artistic attempt to protect the dress and yet blend conspicuously with the

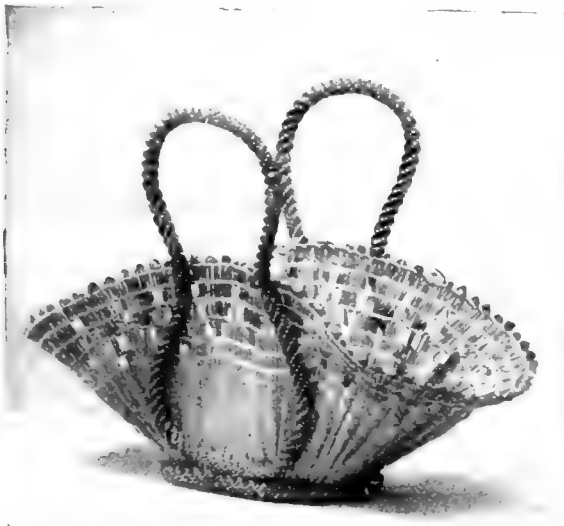
flowers. Some are made of paper, some of satin, the colors are violet, white and pink.

Lace bouquet holders are a French production. These are wavy and pleas-



B. ESCHNER.

ing and of light fluffy outline. The same proposition is also done in a line of chiffons, and the latter are quite unique and distinct from the lace patterns. The two ideas are a renaissance of the old-style bouquet holder shorn of its stiffness and meeting the



Novelty Basket.



Panama Hat

U KNOW US

LETS KNOW U

"RICE STANDARD"

SEE OUR EXHIBIT AT THE CONVENTION OF

Up-to-Date Florists' Supplies-Ribbons-Chiffons-Nettings and Baskets

ALL THE NEWEST

OUT OF THE ORDINARY

FOR THE GET-THERE FLORIST

It will pay you to SEE OUR EXHIBIT

The Leading Florists' Supply House
and
Ribbon Specialists

But above all be sure and
"stop-over" at Philadelphia
and see the magnificent as-
sortment we have to show you.

ORIGINATORS

M. RICE & CO.
IMPORTERS & MANUFACTURERS
1220 Race Street
PHILA., PA.

more advanced artistic ideas of the present day. The chiffon folds droop so as to hide the mechanical work.

Prepared natural ferns are bewildering in variety and coloring. There are many new things in this department. The wild asparagus sprays in natural green are favorites, but a new device is to tip them scarlet and violet for Christmas trade. Ruscus wreaths are treated the same way and make a novel showing.

More trouble for the poor cycas grower. Some clever German has a new patented process and now you can't tell the preserved from the real

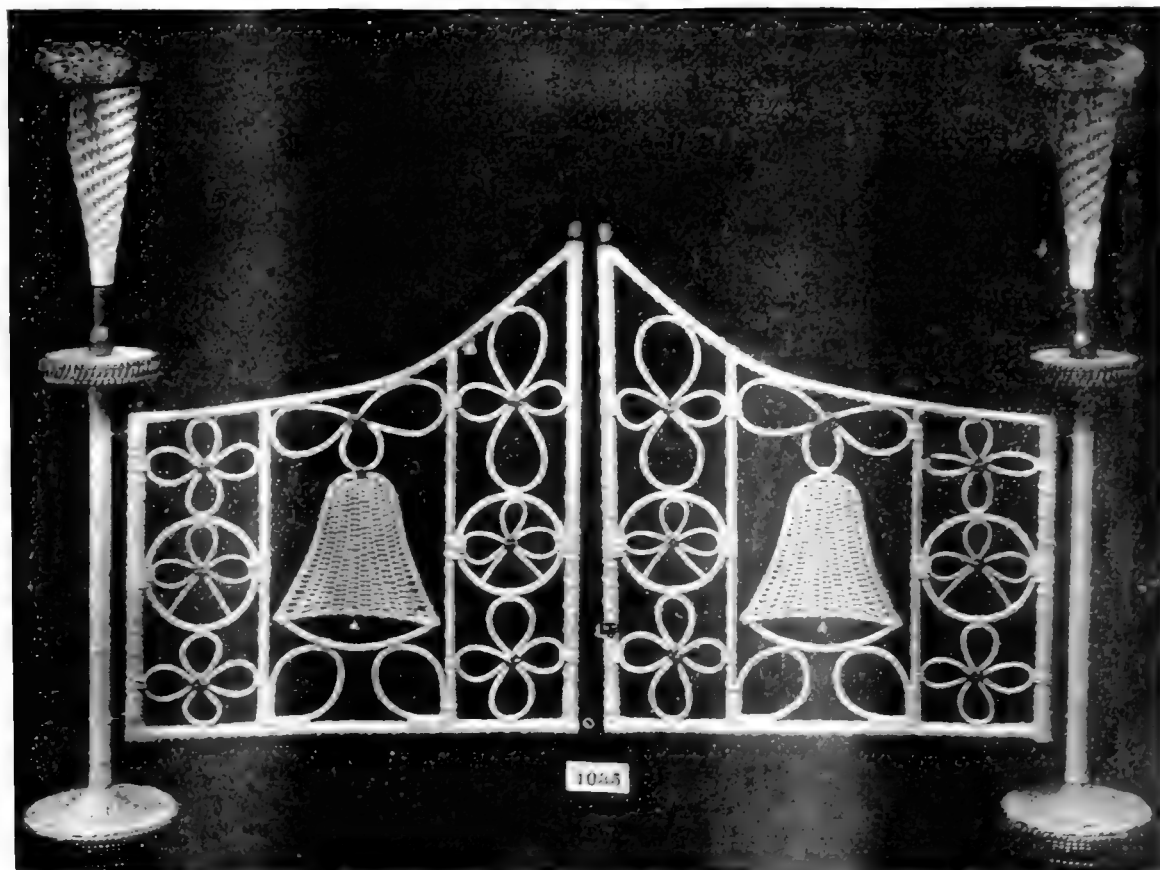
thing. Flexible, soft and willowy, just the right shade, and last forever.

Waxed paper is now offered in a lovely "Moire effect." It looks to me like a watered silk pattern of, say, birds-eye maple cross grain or some such wood. Silver white, violet, moss green, Nile green, light blue, pink. Not a cheap paper but splendid for fine trade and a high-class novelty.

Trouble again for the flower grower — an improved poinsettia. This time it has the foliage with it and has other perfection touches. Last, but not least, in the galaxy of novelties for 1911 come the baskets, and all lands have

contributed their quota. Patterns in endless varieties—all of them charming. Gypsy baskets, fern boxes, Beauty baskets, carnation baskets, many of them with handles near the ceiling. Bridge designs, pot holders, raffia conceits, in a bewildering array.

There are seen some excellent Swiss novelties in little butter tubs, water carriers, etc., in wooden ware, illustrated with a colored flower spray. The Italian baskets in pink, white and yellow in dainty and graceful weave make one think of a Venetian madrigal or a Neapolitan love song. The whole collection is very gay and graceful.



Wedding Outfit.

CRAIG QUALITY CROTONS

ARE BEST KNOWN AND KNOWN TO BE BEST

The above slogan could also apply to the many other Craig specialties. We are making new customers very fast and with our increased glass area, we are in a position to take good care of you. Eventually you will handle Craig Quality Stock. Why not now? Our many customers advertise our stock and our stock advertises us.

Our Convention Exhibit of Craig Quality Stock will far exceed anything in the past, and that's going some. We hope to meet many of our friends in Baltimore. We will be represented in the trade exhibition hall by Messrs. W. P. Craig, Duncan Macaw and Robt. A. Craig who will be happy to show you the finest exhibit of

FANCY CROTONS, IN MANY VARIETIES

Cyclamen	Phoenix Roebelenii
Begonia Lorraine	Dracaena Terminalis
Begonia Cinnamomi	Dracaena Massangeana
Genistas	Dracaena Lord Woolsley
Ficus Pandurata	Dracaena Fragrans
Areca Lutescens	Dracaena Bronze Beauty
Pandanus Veitchii.	Dracaena Mandaiana
Nephrolepis in Variety, etc., etc.	

We extend a cordial invitation to all members of the S. A. F. O. H. to stop off in Philadelphia either going to or returning from Baltimore. We will be pleased to show you our stock at both Philadelphia and Norwood.

Take car marked 69th and Market Sts. or train on the Penna. R. R. to Norwood Station.

ROBERT CRAIG CO.

49th and Market Sts., Philadelphia, Pa.
Branch: Norwood, Pa.

WE WILL EXHIBIT AT THE BALTIMORE CONVENTION

Dreers' Variegated Pineapples

ANANAS SATIVA VARIEGATA

We are the first to offer this most beautiful of all variegated foliage plants in quantity and at prices nearly as low as good Pandanus Veitchi can be purchased for.

You will make no mistake in giving these a trial; it will make a change and variation in your foliage plants which will be appreciated by your customers and which will prove a profitable investment to you.

1-inch pots, fine plants	\$0.60 each
3-inch pots, fine plants	1.00 each
6-inch pots, fine plants	1.50 each

We will also show a full line of Seasonable Dreer Specialties and our staff of salesmen will be in attendance and will give full information regarding same.

If you are passing through Philadelphia, stop off and visit our Riverton and Riverview Nurseries; an inspection of both of these places is certain to prove both pleasant and profitable.

HENRY A. DREER, 714 CHESTNUT STREET Philadelphia, Pa.



CLUBS AND SOCIETIES

AMERICAN ROSE SOCIETY.

At a meeting of the Executive Committee held in New York City at Traendly & Schenck's office, President Adolph Farenwald of Roslyn, Pa., presiding, the particular matter in question was the settlement of the payment of prizes awarded at the National Flower Show in Boston. There had been a variance of opinion in regard to the construction of the resolution passed at Rochester, N. Y., relative to the amount of money that was to be paid to the National Flower Show Committee, and until this had been settled the prizes had been held in abeyance. Vice-President Philip Breitmeyer advised, "I am in favor of a settlement rather than have any ill-feeling especially with the lot of men who have worked so hard to make the recent show a success. I would say pay up and forget. Let us go ahead with unity and kindness and do all the better in the future." The Executive Committee who were unable to attend sent proxies and the sense of all was the same, as was so admirably expressed by Mr. Breitmeyer.

A formal motion was put and carried as follows: "That the Treasurer of the American Rose Society pay to the order of the National Flower Show Committee the sum of five hundred and thirty-seven dollars, being the amount called for by the National Flower Show Committee in full settlement of all premiums due for awards made at the Spring Exhibition in Boston, March, 1911." Treasurer H. O. May, upon receiving the action of the meeting drew the cheque for \$537, and forwarded it to Treasurer E. Allan Peirce of the National Flower Show Committee and after this is paid, it leaves net in the treasury of the American Rose Society a larger sum than has been there before at this time of year.

At the coming convention in Baltimore, it is planned to have a meeting of the American Rose Society, to be as largely attended as possible, on

Thursday, August 17th, and at that time the question of the next Annual Exhibition to be held in Detroit as to date thereof, and the holding of the show jointly with the Carnation Society will be brought up.

The Rose Show in Boston, out of all the fine things placed on exhibition, was the most attractive to the masses of people who were there and at Detroit there would be every opportunity to exhibit to the people of both the United States and Canada and we want a good reciprocity show from everyone concerned, who can help to make it go.

BENJAMIN HAMMOND, Sec'y.
Fishkill-on-Hudson, N. Y.

FLORISTS' CLUB OF WASHINGTON.

The Florists' Club of Washington held their August business meeting in the store of Gude Bros. Co., E. C. Mayberry presiding. Among the communications received was a letter from Otto Seiger, Jr., of Springfield, Mass., asking for information as to the whereabouts of one Otto Suecker. The latter is unknown here but it may be that Mr. Suecker may be a member of some organization elsewhere.

A proposed driving regulation which contemplates an unobstructed view from sides, rear and front of all vehicles, is not considered desirable by local florists owing to the fact that they use covered wagons. This regulation would prove quite serious in winter.

A committee comprising Messrs. Otto Bauer, Harry Lewis and N. Hammer were appointed to look after the matter of transportation of the club members to the convention and to endeavor to get a goodly body together to attend at least on the first day. A low estimate would show 75 members will attend this exclusive of the ladies. It is planned to have the Washington aggregation leave in a body at 1.00 P. M. over the Baltimore & Ohio R. R. Messrs. Bauer, Lewis and Hammer were also appointed

the committee on membership for temporary duty. In the absence of Mr. Oehlmer, Wm. F. Gude acted as secretary. CLARENCE L. LINZ.

WESTERN DAHLIA AND GLADIOLUS ASSOCIATION.

In response to a call sent out by a number of growers, an organization to be known as the Western Dahlia and Gladiolus Association, was formed in Chicago on August 5th. The object is to bring the growers together for profit as well as pleasure, and we trust will be of use in extending the popularity of the two flowers. There are two classes of members, active and associate; the latter are not responsible for the pushing of the organization, only so far as membership fee goes, but will be given all the privileges of the association except voting, and will be helped in every way possible in growing the flowers. This part is intended for the amateur and we trust to make a success of the program. It is also planned to issue a monthly bulletin as soon as arrangements can be perfected. Officers are as follows:

President, E. T. Barnes, Spencer, Indiana; vice-president, H. W. Koerner, Milwaukee, Wis.; secretary, E. S. Thompson, Benton Harbor, Mich.; treasurer, W. K. Fletcher, Des Moines, Iowa; directors, E. E. Stewart, Rives Junction, Mich., A. E. Kunderd, Goshen, Indiana, Chas. Parker, E. Pullman, Ill.; membership committee, N. C. Crawford, LaGrange, Indiana; publicity committee, Hon. Wm. Watson Woollen, Indianapolis.

It is intended to hold a show as soon as arrangements can be perfected, and the sentiment now is in favor of Indianapolis, Indiana, sometime in September.

E. D. THOMPSON, Sec'y.

AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

This Association meeting in Kansas City, Mo., August 9, chose Boston,

CALLAS

138 — 2-inch, 320 to case.

Just received from Japan.

SUPPLY LIMITED. ORDER AT ONCE.**Yokohama Nursery Co., Ltd., ³¹ Barclay Street, New York**

WE'LL BE THERE WITH THE BLOOMS

**PLACE: FIFTH REG'T ARMORY, BALTIMORE.
TIME: AUGUST, 15-18.**

GLADIOLI

OF COURSE

JOHN LEWIS CHILDS, Flowerfield, L. I., N. Y.

Mass., as the place for their convention of 1912.

W. H. Dunn, superintendent of parks of Kansas City, was elected president, and F. L. Mulford of Washington, D. C., was re-elected secretary and treasurer for the ensuing year.

Six vice-presidents elected include Charles E. Keith, Bridgeport, Conn.; James B. Shea, Boston, and F. C. Green, Providence, R. I.

SOCIETY OF AMERICAN FLORISTS.

Department of Plant Registration.

Public notice is hereby given that S. A. Anderson, of 440 Main street, Buffalo, N. Y., offers for registration the begonia described below. Any person objecting to the registration or to the use of the proposed name, is requested to communicate with the secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

Description:—An improvement on the begonia Gloire de Lorraine. The yellow center is twice the size of that of the regular Lorraine; it is self branching; has five petals in the flower instead of four; it throws twice as many flowers as the Lorraine. Name, "Betty Anderson."

H. B. DORNER,
Secretary.

August 3, 1911.

CLUB AND SOCIETY NOTES.

The election of officers at the last Detroit Florists' Club meeting resulted as follows: President, Geo. Brown; vice-president, J. F. Sullivan; secretary, H. Schroeter; treasurer, Robert

Rahaley. Everybody is delighted to have J. F. Sullivan among the officers because his enthusiasm and earnestness in club work is much needed at this time. The annual outing to Bois Blanc Isle will be held Aug. 29th.

At the meeting of the Gardeners' and Florists' Club of Baltimore, last night (Aug. 7), there was the largest attendance of the year. A good number of new members was added to the roll. Chas. L. Seybold former superintendent of Carroll Park and F. C. Bauer returned yesterday from a European trip of several weeks.

The Retail Florists' Association of St. Louis meets on Monday night, August 14th. The great importance of this meeting should bring out a very large attendance. The meeting will be held at 8 o'clock in the Knights of Columbus Hall. (Why not hold it in Baltimore?—Ed.)

State Vice-President Fred H. Weber is rounding up quite a large delegation to represent St. Louis at the convention next week at Baltimore. He expects to list a few more at the club meeting this Thursday afternoon.

The fall flower show by the Horticultural Society at the Coliseum next November promises to be a good one. The same week the Chrysanthemum Society of America meets with us. O. G. Koenig, secretary of the society will be at the Convention to enlist entries for the show.

IN BANKRUPTCY.

Ukiah, Cal.—J. R. Banks filed a petition in insolvency on July 26. Liabilities \$3376, no assets.

MISSOURI'S FRUIT OUTLOOK.

The State Board of Horticulture is in receipt of special reports from correspondents in all of the counties of the state which show that the outlook for a good apple crop is still excellent. Taking the average condition of the entire state, the outlook for the apple crop has declined seven points, the present estimate being thirty per cent. of a full crop. The peach situation remains practically unchanged, the present estimate being 28.2 per cent. as against 29.2 per cent. a month ago. Since a large number of these reports are based upon seedling peaches, the estimate will have to be cut in half. The outlook for grapes is excellent, the average for the state being seventy-five to eighty per cent. Blackberries and similar fruits were almost a failure except in the southwestern counties.

There is some complaint of drought injury but it does not seem to be serious. Unless there are heavy rains apples will be smaller than usual but the color and quality will be unusually good. Fruit has dropped badly where trees were unsprayed and uncultivated. There is no rot but scab is prevalent.

Nearly all sections of the state have lately had rains so that the situation as regards apples certainly ought not to grow any worse, and it is believed that it will materially improve as additional moisture in the soil will cause the fruit to increase in size very rapidly. It now seems that nothing can prevent an apple crop which will be fully 200 per cent. greater than was harvested in the state last year.

Boddington's Quality Christmas and Winter-Flowering Sweet Peas

ALL true stocks of Winter-Flowering Sweet Peas will be scarce this season, some varieties are a total failure, owing to the exceptional season in California this Spring. We can make immediate delivery of the varieties marked with a star (*), the balance we are expecting from our grower in California at any time. Our advice to intending planters is to order early.

A Our stocks of Christmas-Flowering Sweet Peas have stood the test for years, and we can refer you to the largest growers of this increasingly popular flower, as to the truthness and quality of our seed, earliness of blooming period, and strength and habit of plants.

The following varieties are the "best by test" and include Zvolanek's and our own introductions, grown for seed from selected stocks by the leading California Growers and Specialists of Sweet Peas. Our output last year was nearly 6000 lbs. No kicks and plenty of testimonials as to quality, germination and truthness to type.

BODDINGTON'S QUALITY WINTER-FLOWERING SWEET PEAS

At the Exhibition and Convention of the National Sweet Pea Society of America, July 12th and 13th, 1910, we again won the C. C. Morse & Co.'s Silver Cup for the finest and best collection of Sweet Peas open to the trade only

***BODDINGTON'S EXTRA EARLY CHRISTMAS WHITE SNOWBIRD.** An exceptionally early Sweet Pea for indoor flowering—will bloom six weeks after sowing. Color clear white, upon long stems; habit fairly dwarf and of exceptionally free-flowering qualities. Without doubt, the finest early white for indoor planting. We sell one grower in Pennsylvania 35 lbs. of this variety every year, name on application. Oz., 30 cts.; ¼ lb., 85 cts.; ½ lb., \$1.50; lb., \$2.50.

***BODDINGTON'S CHRISTMAS PINK.** This is the earliest and most profitable and useful Sweet Pea in cultivation, as by sowing the seed under glass in latter part of August, flowers can be cut from Thanksgiving on during the Winter months. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

***BODDINGTON'S CHRISTMAS WHITE.** A companion to our Christmas Pink. Just as free and profuse a bloomer. Oz., 15 cts.; ¼ lb., 50 cts.; ½ lb., 85 cts.; lb., \$1.50.

***BODDINGTON'S CANARY.** Similar to the above, but flowers of an exceptionally good yellow. Oz., 35 cts.; ¼ lb., \$1.00; ½ lb., \$1.75; lb., \$3.00.

***BODDINGTON'S FLAMINGO.** Color scarlet; free-flowering and early. Oz., 50 cts.; ¼ lb., \$1.50; ½ lb., \$2.75; lb., \$5.00.

***Christmas Meteor.** Scarlet; fine open red flower. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

Christmas Captain. Blue and purple. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

***Florence Denzer.** Pure white. Oz., 15 cts.; ¼ lb., 50 cts.; ½ lb., 85 cts.; lb., \$1.50.

Greenbrook. White standard, slightly touched with lavender. Large orchid flowering variety. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

***Le Marquis.** This is the same color as Princess of Wales, violet; has very large flowers. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

***Miss Helen M. Gould.** White, open flower; standard blue, marbled. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

***Miss Josey Reilly.** Lilac; very large flowers. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

***Mrs. E. Wild.** Carmine or dark pink. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

***Mrs. Alex Wallace.** Very scarce. Lavender. Oz., 50 cts.; ¼ lb., \$1.50; ½ lb., \$1.25; lb., \$4.00.

Mrs. William Sim. Salmon-pink. Crop failed.

***Mrs. George Lewis.** Large, pure white wavy flower. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

Mrs. W. W. Smalley. Satiny pink. Oz., 35 cts.; ¼ lb., \$1.00; ½ lb., \$1.75; lb., \$3.00.

***Mrs. F. J. Delansky.** Daybreak pink. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

***Mrs. Chas. H. Totty.** Sky-blue; late. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

Mrs. Zvolanek. Blue, variegated; good for variety. Oz., 50 cts.; ¼ lb., \$1.50; ½ lb., \$2.75; lb., \$5.00.

Wallacea. Very fine lavender, a grand florists' variety. Oz., 50 cts.; ¼ lb., \$1.50; ½ lb., \$2.75; lb., \$5.00.

***Watchung.** Pure white. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

***Wm. J. Stewart.** Blue self. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

All other varieties of Winter and Summer-flowering Sweet Peas supplied. Write for quotations.

ARTHUR T. BODDINGTON, Seedsman, 342 West 14th St., NEW YORK

Obituary

August Sunderbruch.

August Sunderbruch, age 82, Cincinnati's oldest florist, passed peacefully away, Aug. 2d. He was born in Marl, Hanover, Germany, May 26, 1830. At 15 years of age he started his apprenticeship in the flower business receiving a thorough training in nursery and gardening. In the year 1845 he arrived in this country and came directly to Cincinnati. His first year here he taught botany in the Wesleyan Female College. The following year he secured employment as gardener for the Resors, laying out the beautiful estate of the late Ruben Resor. While employed there he married Miss Dorothy Klanke, to which union there were ten children born, three of whom still survive William and Albert of this city and Mrs. Louis Helwig of Chicago. Mrs. Dorothy Sunderbruch passed away in the year 1874.

After leaving the Resors he went to work for Mr. McAvoy who conducted a nursery business where Eden Park now stands, at that time it was called Garden of Eden. Seeing an excellent opportunity for a greenhouse establishment in 1863 he purchased the land in Coryville (city) and built greenhouses which are still running today. He also opened up a retail establishment on W. 4th street. Being a man of sterling integrity and busi-

ness acumen he rapidly established a large and exclusive retail trade. In 1890 he retired from active business, turning the same over to the firm of A. Sunderbruch Sons, consisting of William and Albert Sunderbruch and Ed. A. Foster, a son-in-law.

He was buried on Friday, Aug. 4th. The numerous floral tributes showed the high esteem in which the deceased was held.

In 1886 he married Miss Christina Zeidler who still survives.

Samuel Frederick Miller.

The death is reported of Mr. Samuel Frederick Miller, a fruit grower and horticulturist who resided near Cavetown, Md. Mr. Miller was born in Germany seventy-five years ago, coming to this country when eighteen years of age. He is survived by a son and two daughters. The cause of death is given as complication of diseases.

Miss Minnie Johnson.

On July 25, Miss Minnie Johnson of the firm of M. & L. Johnson, Dayton, Ohio, died at her home 915 North Main street. She was born in Dayton, 1852, and spent her entire life there. The business was established by her self and sister in 1882, and was the first flower shop in Dayton. The business will be continued by Miss Lucy Johnson.

Edward McNally.

Edward McNally, nurseryman and florist, Anchorage, Ky., died after an

illness of several months. Mr. McNally came to this country from Dublin, Ireland, forty-five years ago and started in business in Anchorage. He is survived by his wife and four children.

Wm. B. May.

Wm. B. May died at the Hartford, Conn. Hospital, of heart disease on July 30, aged 76 years. He was for many years head gardener for James J. Goodwin, leaving a position as gardener at Kew Gardens, England, to accept the appointment.

Mrs. C. H. Woolsey.

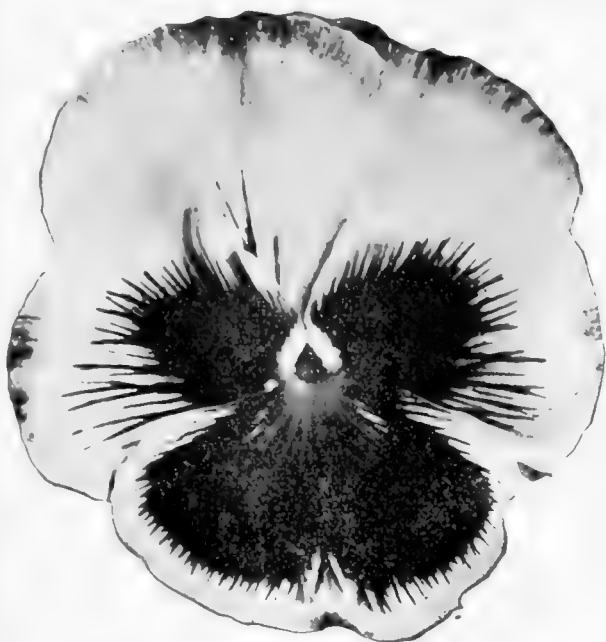
After a long illness Mrs. C. H. Woolsey, wife of C. H. Woolsey, florist, of Rockford, Ill., died on July 31, aged 54 years. She was married to Mr. Woolsey in 1877, in the house in which she was born and which has always been her home.

James J. O'Leary.

James Joseph O'Leary died at the home of his parents, 40 Fanning street, Lowell, Mass., on August 5th, aged 21 years. He was associated with his father in the florist business. His parents and one sister survive him.

James L. Reynolds.

On July 26 James L. Reynolds, proprietor of the Bonnie Brae Nurseries, New Rochelle, N. Y., died at his home, of septic pneumonia. A widow, son and daughter survive him.



PANSY—Boddington's "CHALLENGE"—All Colors

This mixture contains all the finest Giant strains—of the leading Pansy Specialists in the world—the Giant self-colors, the Giant striped and margined, and the Giant blotched, etc., all carefully mixed in proportion—the finest that money can buy—the finest your money can buy. A florist who has grown it said, "Why don't you call it Defiance?"

Trade pkt., 50c; 1/8-oz., 75c; 1/4-oz., \$1.50; 1/2-oz., \$2.75; oz., \$5.0

PANSY SEED TIME

Choice Varieties of Giant Pansies

	Trade pkt.	1/8 oz.	Oz.
Giant Trimardeau. Improved mammoth-flowering in good range of color.....	\$0.15	\$0.50	\$1.50
Giant Masterpiece (Frilled Pansy). Petals beautifully waved, exquisite colors.....	.15	.85	3.00
Cassier's Giant. A fine strain of large highly colored flowers.....	.15	.85	3.00
Giant Bugnot's Stained. Exhibition. Extra choice flowers, large and plenty of light colors.....	.50		
Giant Madame Perret. A recent introduction, by a celebrated French specialist; of strong, free growth. Especially rich in red shades.....	.15	.85	3.00
Giant Fire King. Brilliant reddish yellow, with large brown eyes.....	\$0.25	\$1.00	\$3.00
Giant Lord Beaconsfield. Deep purple violet, top petals light blue.....	.15	.50	1.50
Giant Canary Bird. A five-spotted yellow variety. Ground color, is a deep golden yellow and each petal is marked with a dark blotch.....	.15	.85	3.00
Giant Orchideæflora, or Orchid-flowered Pansy. Splendid variety. Beautiful shades of pink, lilac, orange, rose, terra cotta, chamoise, etc.....	.25	1.25	4.00
Giant Emperor William. Ultramarine blue, purple eye.....	.10	.50	1.50
Giant Golden Queen. Bright yellow, no eye.....	.15	.80	2.00
Giant Golden Yellow. Yellow, brown eye.....	.25	.75	2.50
Giant King of the Blacks (Faust). Black.....	.15	.80	2.00
Giant President McKinley. Golden yellow, large dark blotch.....	.15	.85	3.00
Giant Prince Bismarck. Yellowish bronze, dark eye.....	.25	.75	2.50
Giant Rosy Lilac.....	.15	.60	2.00
Giant Pretiosa. Crimson-rose, white margin, violet blotch.....	.15	.80	2.00
Giant White. Violet spot, the largest white.....	.10	.50	1.50

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Hybrid Rhododendrons

ORDER NOW FOR COMING SEASON

We offer the largest, most varied and most reliable stock in the world, of REALLY HARDY varieties.

Write for list of recommended sorts and prices.

We carry also a full line of other fancy nursery stock for the hardy garden.

JOHN WATERER & SON, Ltd.

American Nursery, BAGSHOT, ENGLAND

ORCHIDS

We beg to recommend to prospective buyers our fine, large and varied stock of Orchids, samples of which we will have at the Convention of the S. A. F., in Baltimore, Md.,⁸ Aug. 15-18. Your call and inspection is cordially invited.

LAGER & HURRELL
SUMMIT, N. J.

NEWS NOTES.

Chicago, Ill.—A. Briet has sold his property and greenhouses, 7455 Ridge avenue, to his brother-in-law, Michael Kloss.

Elmira, N. Y.—Fire recently damaged the establishment of H. N. Hoffman, nurseryman and florist, to the extent of about \$20,000.

Springfield, Ohio—Charles W. Unglaub has sold the greenhouses on West Mulberry street to C. Pearl Bethard, of the Ferneliff Floral Co.

Peoria, Ill.—One of the greenhouses of Cole Bros., 1621 Perry street, collapsed on July 30, cause being given as old age. No one was hurt and the house was empty of stock.

Bridgeport, Conn.—Frank C. Foehrenbach, formerly employed by Jas. E. Beach, intends to go into business for himself growing carnations and pot plants. He is now building one greenhouse.

Mainville, R. I.—The Thayer greenhouses have been purchased by Thos. T. Booth, formerly foreman for Vose & Son, Cumberland Hill. He intends to grow a general line of stock and expects to erect another house soon.

Redlands, Cal.—A new establishment to be known as the Hockridge Nurseries will be opened here by Sidney Hockridge as soon as a suitable store can be secured. Mr. Hockridge was formerly with the City Nurseries.

Milwaukee, Wis.—The C. C. Pollworth Co. have leased the building at the northeast corner of Oneida and Market streets for a term of ten years. The building is being remodeled, and a conservatory and show room erected in the rear.

Highland Mills, N. Y.—George Percy has purchased the greenhouses and property of Mrs. George A. Merritt. Wright and Lynch, who have been running them under the name of G. A. Merritt & Co., have rented them from Mr. Percy.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World

SANDER, St. Alban's, England
and 258 Broadway, Room 721
NEW YORK CITY

ORCHIDS

PLANTS and FLOWERS always on hand

ORDONEZ BROS.

Madison, New Jersey

ROEHRS

Orchids, Azaleas, Palms, Lorraines, Crotons

RUTHERFORD, N. J.

LORRAINE BEGONIAS

Strong 2¼ in. stock, ready for 3¼ in.

Per 100, \$15.00; 250 at \$14.00 per 100

THOMAS ROLAND, Nahant, Mass.

INCORPORATED.

Cleveland, Ohio—The Cleveland Flower Exposition Co., capital stock \$15,000. Incorporators, H. P. Knoble and others.

Martinsburg, W. Va.—The Cherry Hill Orchards, to carry on all kinds of agricultural and horticultural operations, general nursery business, etc. Capital stock \$50,000. Incorporators, Alex. Clohan, L. H. Thompson, H. J. Thompson, R. S. Thompson and Clarence E. Martin.

¶ All bulbs of quality must bear a price in proportion to the skill, time, expense and risk attending their cultivation and distribution. Those bulbs termed dear are usually, when justly estimated, the cheapest; they are cultivated with much less profit than those usually termed cheap. The business of supplying bulbs cheaply and not attending to that excellence of quality necessary to eventual success, is the most frequent and certain cause of business decadence among bulb houses throughout the world. It cost more to produce ten Giganteum of superior quality than it does twenty of common calibre. Real good Giganteum must be planted very deep in the soil and well fertilized and cultivated. It takes much longer and costs much more, but the bulbs are worth all it costs to those who know bulb values. Horseshoe Brand Giganteum are today the best we know of and we can recommend them to the most exacting growers of lily bulbs in the world. The cost to you is exactly in proportion to what you pay for—they are a-la-carte Giganteum. Write for prices—they are the kind your business requires.



Not How Cheap
But How Good

Ralph M. Ward & Co.

12 West Broadway
NEW YORK CITY

Bamboo Canes, Cold Storage Giganteum, Formosas, Magnificum and Auratum ready for delivery now or later.

LILIUM HARRISII

(The Bermuda Easter Lily)

LET US supply your wants in Lilies this season

We think we can make it to your advantage to do so, as regards both quality and price

THE stock that we offer is not gathered indiscriminately from all kinds of sources, but is grown for us by a few selected growers, whose stocks have been worked up from the true, original stock. In order to ensure the health of the product, the bulbs are not grown on the same field oftener than one season, other crops being grown on the field the preceding year. The ground is thoroughly manured when the previous crop is grown, leaving it in a high state of cultivation, and when the lily bulbs are planted no fresh manure is used, and this prevents disease and ensures a crop of strong, healthy bulbs.

In addition to this, we do not dig our bulbs as early as they are usually dug, but leave them in the ground until they are thoroughly ripened and matured. When Harrisii is good, it leaves little to be desired. There is very little, if any, stock obtainable as good as the stock that we are offering. We are supplying only this one grade of selected stock, and when this is disposed of, we shall have no more to offer.

While the quality of the stock that we offer is of the highest, our prices are as low as, or lower than, the prices of those who offer the ordinary stock gathered from indiscriminate sources. We are sure buyers will find our stock very satisfactory, and much more so than the Japan-grown Longiflorum, which has badly deteriorated recent years.

Bear in mind that we were the original introducers of Harrisii in Bermuda, and that we have exceptional facilities for obtaining our present supplies. Also take note that the smallest bulbs that we offer are 6-7 inch bulbs, not 5-7 inch, as usually offered.

6-7 inch bulbs, 335 to the case, \$15.00 per case; full thousand lots, \$40.00 per 1,000
 7-9 inch bulbs, 200 to the case, \$16.00 per case; full thousand lots, \$75.00 per 1,000
 9-11 inch bulbs, 100 to the case, \$18.00 per case; full thousand lots, \$175.00 per 1,000

FERNS

We have an exceptionally nice lot of ferns in the following varieties,—good, bushy, well-grown plants that will please the most critical buyers. Plants have been grown in pots, and are thoroughly well established and nicely finished.

Nephrolepis Bostoniensis and Piersoni, 6-inch pots \$0.50 each
 Nephrolepis Elegantissima, Piersoni, Bostoniensis, and Harrisii, heavy 8-inch plants, \$1 to \$1.50 each
 Nephrolepis Elegantissima, Bostoniensis, and Harrisii, heavy 10-inch plants \$2.50 each

**F. R. PIERSON COMPANY, Tarrytown - on - Hudson,
 NEW YORK**



H. H. BARROWS, Sr.

**We Stand
Back of
Our Goods**
AND
**Guarantee Safe
Arrival of
Shipments to all
Parts
OF
United States
AND
Canada**



H. H. BARROWS, Jr.

Boston Ferns

4½ inch from bench, Each 10c.; 3½ inch from bench, Each 7c.;
2½ inch from bench, \$30.00 per 1000, Each 3c.

Nephrolepis Whitmanii

2½ inch - - - \$5.00 per 100, \$40.00 per 1,000

Nephrolepis Magnifica

2½ inch - - - \$15.00 per 100
3½ " Pot grown - - - 25.00 per 100

HENRY H. BARROWS & SON, WHITMAN, MASS.

PALMS, FERNS, DECORATIVE AND FOLIAGE PLANTS

Also Azaleas, Begonias, Bay and Box Trees

A. LEUTHY & CO.

Perkins Street Nurseries, Roslindale.—Boston, Mass.
Price list on application

PALMS, FERNS AND DECORATIVE PLANTS

JOHN SCOTT

Rutland Road and E. 45th St.
Tel. 8690 Bedford BROOKLYN, N. Y.

ASPARAGUS HATCHERI

The new Asparagus. Beats the old plumosus nanus in every respect. From 2½-inch pots, \$15 per 100.

A. N. Pierson, Inc.

CROMWELL, - - - CONN.

Araucaria Excelsa

5 in., 3 to 4 tiers, 40c. and 50c.; 5½ to 6 in., 4, 5 and 6 tiers, 60c., 75c. and \$1.00; 7 in., 25, 30, 40 and 50 in. high, for lawns and porches, \$1.50 to \$2.00.

Cash with order, please.

Godfrey Aschmann

Wholesale Grower, Shipper and Importer of
Pot Plants.

1012 West Ontario St.,

PHILADELPHIA, - PA.

BEST PALMS

All Varieties, All Sizes.
Send for Price List

Joseph Heacock
Wyncote, Pa.

DIRECT IMPORTATIONS

Bay Trees, Kentias, Azaleas, Valley Pips, Roses, Rhododendrons, Boxwood, Manetti, Evergreens, Jap. Lilies, Rattia, etc., etc.

Nursery stock from France, Holland, England and Japan.

McHutchison & Co. 17 Murray St.
New York, N. Y.

For Fall Planting

Lilium Tenifolium, Henryl. Hansonl, Wal-
leel and Pavuricum; Elegans var., Single
and Double Tigers; Japan Tree Lilac;
Delphinium formosum; Japan and German
Lilies, Daphne Cneorum.

Order early in August.
E. S. MILLER
Wading River, - - - N. Y.

LOECHNER & CO.

JAPANESE LILIES
LILY OF THE VALLEY PIPS
PALMS, AZALEAS, &c.

11 Warren Street, New York, N. Y.

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Advertisements under this head, one cent a word. Initials count as words.

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Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

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AMPELOPSIS VEITCHII.

Strong seedlings,
50c per 100; \$4.00 per 1000 prepaid.
P. Pearson, 5732 Gunnison St., Chicago.

ABAUCAIAS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.

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Godfrey Aschmann, 1012 Ontario St., Phila.
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ASPARAGUS

Asparagus Sprengerii. Strong 3-in. plants
good stock for benching, \$4.50 per 100.
Cash. O. B. Kenrick, 52 Alexander Ave.,
Belmont, Mass.
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A. Leuthy & Co., Roslindale, Mass.
Asparagus Plumosus Nanus.
For page see List of Advertisers.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Asparagus Sprengerii, large 4-inch, \$1.50
per doz., \$10.00 per 100. Edw. Doege, 4344
N. Springfield Ave., Chicago, Ill.

Asparagus plumosus, 2 in., \$3.00 per 100.
Asparagus Sprengerii, 2½ in., \$2.00 per 100.
Cash. John Bauscher, Jr., Freeport, Ill.

Asparagus plumosus nanus, 2¼-in., \$3.00
per 100; \$25.00 per 1000. Cash. Clement S.
Levis, Aldan, Del. Co., Pa.

ASTERS

S. S. Pennock-Meehan Co., Phila., Pa.

ASTER SEED

Elmer D. Smith, Adrian, Mich.
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AZALEAS

P. Ouwkerkerk, Hoboken, N. J.
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A. Leuthy & Co., Roslindale, Mass.
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Loechner & Co., New York, N. Y.
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BAY TREES

A. Leuthy & Co., Roslindale, Mass.
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Bobblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Bay Trees and Box Trees, all sizes
Write for special List
Julius Roehrs Co., - - Rutherford, N. J.

BEGONIAS

A. Leuthy & Co., Roslindale, Mass.
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Thomas Roland, Nahant, Mass.
Lorraine Begonias.
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Begonia Lorraine 2½-inch pots,
\$12.00 per 100. \$50.00 per 500
Immediate Delivery.
Julius Roehrs Co., - - Rutherford, N. J.

BOILERS

Kroetchell Bros. Co., 466 Erie St., Chicago.
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BOUVARDIAS

15,000 Bouvardias (single). Good strong
2¼ in. pink, white and a few red, \$2.50 per
100; \$22.50 per 1000. Cash please. Morel
Bros., 622 E. Market St., Scranton, Pa.

BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.
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Bobblink & Atkins, Rutherford, N. J.
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A. Leuthy & Co., Roslindale, Mass.
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Julius Roehrs Co., Rutherford, N. J.
Box Trees all sizes. Ask for special list.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St.,
Boston.

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J. M. Thorburn & Co., 33 Barclay St., N. Y.
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A. T. Boddington, 342 W. 14th St., N. Y.
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Rickards Bros., 37 East 19th St., New York.
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Henry F. Michell Co., Philadelphia, Pa.
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Ralph M. Ward & Co., 12 W. Broadway,
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Horseshoe Brand.

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John Lewis Childs, Flowerfield, L. I.
Fall Bulbs.

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The W. W. Barnard Co., Chicago, Ill.
Import Bulb List.

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Fottler, Fliske, Rawson Co., Boston, Mass.
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E. S. Miller, Wading River, N. Y.
Bulbs and Roots for Fall Planting.

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CACTI

My choice, 25 var., \$3.00; 50 var., \$8.00;
100 var., \$25.00; 100 in 10 var., \$10.00; suc-
culents, 20 var., \$1.00; 50 var., \$4.00; 100
var., \$12.00; 100 in 10 var., \$4.00. Cash with
order. Charges paid. A. G. Greiner, 4419
Natural Bridge Rd., St. Louis, Mo.

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CANNAS

R. Vincent, Jr. & Sons Co.,
White Marsh, Md.
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CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per
1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CHRYSANTHEMUMS

Elmer D. Smith, Adrian, Mich.
For page see List of Advertisers.

Herrington's book on the Chrysanthemum
mailed to your address for 50c., by
Horticulture Publishing Co., 11 Hamilton
Place, Boston.

CHRYSANTHEMUMS—Continued

Chrysanthemums, rooted cuttings, Mon-
rovia, Polly Rose, \$12.00 per 100. Vinca
Var., 4 in. pots, fine full plants, \$12.00 per
100. Ivy, English, 4 in., \$12.00 per 100.
Chas. Lenker, Freeport, L. I., N. Y.

Chrysanthemum, rooted cuttings, R. Hal-
liday, Amorita, Ivory, Yellow Jones, Min-
nie Bailey, Y. Bonnafon, Rosiere, Polly
Rose, \$10.00 per 1000. Cash please. Hil-
pert & Hammen, 313 Belair Road, Balti-
more, Md.

CHRYSANTHEMUM CANES

Wm. Elliott & Sons, New York, N. Y.
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CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
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Chicago Carnation Co., Joliet, Ill.

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Skidelsky & Irwin Philadelphia, Pa.

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FIELD GROWN CARNATIONS—White
Enchantress, Fair Maid, Harry Fenn, Law-
son, Winsor, Queen, Beacon, Thomas
Capers, Wellesley Hills, Mass.

FIELD-GROWN CARNATION PLANTS
DIRECT FROM THE GROWER.

	100	1000
Light Pink Enchantress.....	\$7.00	\$60.00
Rose-Pink Enchantress.....	7.00	60.00
Lawson-Enchantress.....	7.00	60.00
White Enchantress.....	8.00	70.00
White Perfection.....	7.00	65.00
Sangamo.....	8.00	75.00
Alvina.....	7.00	65.00
Dorothy Gordon.....	8.00	75.00
May Day.....	7.00	65.00
Pink Delight.....	7.00	65.00
Victoria.....	7.00	60.00
Georgia.....	7.00	60.00
Afterglow.....	7.00	60.00
Winsor.....	8.00	55.00
Beacon.....	7.00	60.00
Victory.....	7.00	60.00
Harlowarden.....	6.00	55.00
Patten.....	6.00	55.00
B. Market.....	6.00	55.00
Queen.....	6.00	55.00
Lady Bountiful.....	6.00	60.00

All of the above plants are in fine con-
dition, clean, thrifty and vigorous, guar-
anteed in every way. If on receiving any
of the above plants they are not as repre-
sented, they can be returned at once and
your remittance will be refunded. It pays
to buy good stock such as we grow; they
will produce twice as many blooms as the
cheaper grades offered. Stock ready for
shipment now. Cash with order.

HOWARD P. KLEINHANS.

66 Centre Square, Easton, Pa.

CINERARIAS

Cineraria, the largest flowering grown,
strong stock, 2-in., \$2.00 per 100. Cash
please. J. W. Miller, Shiremanstown, Pa.

Cinerarias, best strain dwarf, 2½ in., \$2.00
per 100; 300 for \$5.00. J. C. Schmidt, Bris-
tol, Pa.

COBAEAS

500 Cobaea Scandens, 4 in., \$4.00 per 100,
purple. Or will exchange for Boston.
Fischer Bros., 614 Dempster St., Evans-
ton, Ill.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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CUT FLOWER BOXES

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made.
Write for list. Holton & Hunkel Co., Mil-
waukee, Wis.

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CYCLAMENS

Cyclamen Giganteum, fine, 3-in. stock, \$5.00 per 100. Cash please. J. W. Miller, Shiremanstown, Pa.

Cyclamen—Best Varieties in different colors, 3 inch pots, strong plants, \$10.00 per 100, \$80.00 per 1000. Julius Koehrs Company, Rutherford, N. J.

DAHLIAS

Herbert, Acto, N. J.
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R. Vincent, Jr. & Sons Co., White Marsh, Md.
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Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

Dahlias, divided roots, from 1 to 3 eyes to the piece. Send for list and get the latest varieties. W. P. LOTHROP, Brockton Dahlia Farm, E. Bridgewater, Mass.

DAHLIAS NEW FOR 1911.

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williams-town Junction, N. J., Post Office, Berlin, N. J.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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John Scott, Brooklyn, N. Y.
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Bobbink & Atkins, Rutherford, N. J.
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H. H. Barrows & Son, Whitman, Mass.
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John Scott, Brooklyn, N. Y.
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Frank Oechslin, 4911 Quincy Street, Chicago.
Ferns for Dishes.
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Robert Craig Co., Philadelphia, Pa.
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F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
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Joseph Heacock, Wyncote, Pa.
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Bostons, extra large, 6-inch, \$6.00 per doz. Edw. Doege, 4344 N. Springfield Ave., Chicago, Ill.

Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Shot Hills, N. J.

FERTILIZERS

20th Century Plant Food Co., Beverly, Mass.
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Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.

Wizard Brand Cattle Manure.
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Hardwood ashes, best fertilizer on earth for lawns and gardens. George Stevens, Peterborough, Ont., Canada.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
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FLORISTS' LETTERS

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.
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N. F. McCarthy & Co., 84 Hawley St., Boston.
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H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.
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M. Rice & Co., 1220 Race St., Phila., Pa.
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Reed & Keller, 122 W. 25th St., New York.
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Hilfinger Bros., Ft. Edward, N. Y.
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Syracuse Pottery Co., Syracuse, N. Y.
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Peters & Reed Pottery Co., Zanesville, O.
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FOR-GET-ME-NOTS

For-Get-Me-Not's, Victoria and Royal Blue, nice large plants from seed bed, 50c. per 100; \$2.50 per 1000. M. B. Saunders Co., 25 Burnett St., Providence, R. I.

FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.
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Kervan Co., New York.
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H. M. Robinson & Co., 15 Province St.
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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.
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Geraniums, our selection, 4 in., \$7.00 per 100; 3 in., \$4.00 per 100; 2 in., \$2.00 per 100; \$18.50 per 1000. More than 100 varieties. Send for geranium catalogue. A. D. Root, Wooster, O.

GLADIOLUS

Silver Trophy and Florist Mixture Gladiolus bulbs, 10,000, large also small sizes, for sale in October. S. E. Spencer, Roslindale, Mass.

GLASS

Boston Plate & Window Glass Co., Boston.
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Standard Plate Glass Co., 26-30 Sudbury St., Boston.
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Foley Mfg. Co., Western Ave., between 25th and 26th Sts., Chicago.
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Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.
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Parselsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.
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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.
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Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
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GOLD FISH

Gold fish, aquarium plants, snails, castles, globes, aquarium, fish foods, nets, etc., wholesale. Franklin Barrett, breeder, 4815 D St., Philadelphia, Pa. Large breeding pairs for sale. Send for price lists.

GREENHOUSE BUILDING MATERIAL

A. T. Stearns Lumber Co., Neponset, Boston.
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King Construction Co., N. Tonawanda, N. Y.
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Pecky Cypress for Benches.
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S. Jacobs & Sons, 1359-63 Flushing Ave., Brooklyn, N. Y.

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King Channel Gutters.
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Florists' Hail Asso. of America.
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Bobbink & Atkins, Rutherford, N. J.
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H. A. Dreer, Philadelphia, Pa.

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Parselsky Bros., Brooklyn, N. Y.
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Lord & Burnham Co., 1133 Broadway, N. Y.
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HYDRANGEAS

F. R. Pierson Co., Tarrytown-on-Hudson, New York.
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in writing to Advertisers kindly mention Horticulture

INSECTICIDES

Eastern Chemical Co., Boston, Mass.
Imp. Soap Spray.
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Nicotinide kills all greenhouse pests.
P. R. Palethorpe Co., Owensboro, Ky.
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Stumpp & Walter Co., New York.
Kiln-dried Tobacco Dust.
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Aphine Manufacturing Co., Madison, N. J.
Aphine.
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E. H. Hunt, Chicago, Ill.
To-Bak-Ine Products.
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Wilson Plant Oil and Fertilizer Co., New York, N. Y.
Wilson Plant Oil.
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Acme Nicotine Insecticides sold direct to the grower. Acme 45 per cent. Liquid, pint \$1.75; gallon \$12.50. Acme Fumigating Paper, case of 288 sheets \$5.50. Sample can of 24 sheets 60 cents, postpaid. J. P. Beermaker, 9 Washington Ave., St. Louis, Mo.

GYPSY MOTH CREOSOTE.

The original Gypsy Moth Creosote, made especially by us for the Gypsy Moth Commission. Limpid at all temperatures, completely penetrates the nest; kills all eggs. Samuel Cabot, Inc., Mfg. Chemists, Boston, Mass.

JAPANESE LILIES

Loechner & Co., New York, N. Y.
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KENTIAS.

Bobbink & Atkins, Rutherford, N. J.
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LANDSCAPE GARDENING COURSE.

Home Correspondence School, Springfield, Mass., Dept. 8.
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Kentucky Tobacco Product Co., Louisville, Ky.
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Nicotine Mfg. Co., St. Louis, Mo.
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Hardy, Northern Grown Stock.
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Direct Importations.

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Loechner & Co., New York, N. Y.
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TREES, SHRUBS, ROSES, EVER-GREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00 by Horticulture Publishing Co., 11 Hamilton Place, Boston.

ONION SETS

Leonard Seed Co., Chicago, Ill.
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For Sale. Winter Onion Top Sets, select stock. A. S. Pett, Crawfordsville, Ind.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
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Ordene Bros., Madison, N. J., Box 108.
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Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
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Orchids—largest stock in the country. Store plants and Crotons, finest collection. Julius Roehrs Co., Rutherford, N. J.

Orchid Growers' Manual. By B. S. Williams, 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

Edward V. Low, late of Hugh Low & Co., dissolved, Vale Bridge, Haywards Heath, England. "White" Cattleyas and Choice Cypripediums are leading features.

PALMS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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Robert Craig Co., Philadelphia, Pa.
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John Scott, Brooklyn, N. Y.
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Joseph Heacock, Wyncote, Pa.
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Loechner & Co., New York, N. Y.
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Arthur T. Roddington, New York, N. Y.
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Henry F. Michell Co., Phila., Pa.
Giant Exhibition Pansies.
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PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
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PECKY CYPRESS BENCHES

Foley Mfg. Co., Chicago.
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A. T. Stearns Lumber Co., Boston, Mass.
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PEONIES

Peony Chinesensis divisions, 2 to 3 eyes. Humel late pink and Hortense, Trian red \$3.00 per 100; Festiva alba, early white, Duchess de Orleans, early pink, Comte de Jussier very early white and sulphur, \$5.00 per 100. Cash with order. Thomas J. Oberlin, Sinking Spring, Pa.

PEONIES—Continued

PEONIES—1200 sorts, an enormous stock List ready. C. Betscher, Canal Dover, O.

Peonies in any quantity. Write for prices on list of your wants. Gilbert H. Wild, Sarcoxie, Mo.

PETUNIAS

Petunias (Dreer's), mixed, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

PHOTOGRAPHS

I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan R. Graves, 414 Hayward Bldg., Rochester, N. Y.

PLANT STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."
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PIPE AND FITTINGS

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Metropolitan Material Co., Brooklyn, N. Y.
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POINSETTIAS

Skidelsky & Irwin Co., Philadelphia, Pa.
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POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

PRIMULAS

Primulas Chinese, fine plants. 2½ in. \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

PRIVET

California Privet, any quantity, size, age. Others say ours is the best grown. Write for prices; also on shrubbery, ornamentals, fruit trees, asparagus, etc. Franklin Davis Nursery Co., Baltimore, Md.

RHODODENDRONS

P. Ouwerkerk, Hoboken, N. J.
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Bobbink & Atkins, Rutherford, N. J.
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Own Root and Grafted Roses.
P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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W. & T. Smith Co., Geneva, N. Y.
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Bay State Nurseries, North Abington, Mass.
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Wood Bros., Fishkill, N. Y.
Own Root Roses.
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Wanted—Rose plants of any kind. Melrose Garden Co., 90 Melrose St., Providence, R. I.

SCALECIDE

B. G. Pratt Co., New York, N. Y.
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SEED GROWERS

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- Henry F. Michell Co.**, Philadelphia, Pa.
Giant Exhibition Pansies.
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- W. Atlee Burpee & Co.**, Philadelphia.
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- Arthur T. Boddington**, New York
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- R. & J. Farquhar & Co.**, Boston, Mass.
Flower Seeds for the Florist.
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- J. M. Thorburn & Co.**, 33 Barclay St., N. Y.
Asparagus Plumosus Nanus Seeds.
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Copenhagen, Denmark.
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SNAPDRAGONS

Snapdragons, white and pure pink, best sellers of all snapdragons, 2 1/4 in., \$2.00 per 100; \$18.00 per 1000; 500 at 1000 rate. Cash. Clement S. Levis, Aidan, Del. Co., Pa.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

Ten bales sphagnum moss, \$7.00. Z. K. Jewett Co., Sparta, Wis.

SPRAYS

Chas. J. Jager Co., Boston, Mass.

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Wirework. Write for our catalogue.
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WOOD PRESERVATIVE

Conserve Wood Preservative doubles the life of all exposed lumber. Preserves benches, posts, sills or planking. Costs 3c. a stick, and saves ten times its cost. Samuel Cabot, Inc., Mfg. Chemists, Boston, Mass.

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YOU CAN LARGELY INCREASE YOUR FALL BUSINESS

By inserting an advertisement in these columns beginning at once.

MANY FLORISTS WILL SELECT THEIR STOCK FROM AMONG THESE ANNOUNCEMENTS

In writing to Advertisers kindly mention Horticulture

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WHOLESALE FLORISTS.

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In writing to Advertisers kindly mention Horticulture

During Recess

New York Bowlers.

At the practice game last Friday evening several of the old timers were there and the captain furnished an interesting paper on "How to Bowl Over 200," with illustrations. New York ought to make itself felt at Baltimore. The scores

Nugent	117	125	Shaw	108	111	136
Berry	111	114	Kakoda	131	162	184
Hendlan	111	123	Moore	188	160	176
Holt	155	140	Young	110	119	115
Scott	132	151	Chew	126	122	171

Final games of the season, August 11th.

Michell vs. Harris.

The Michell nine have been stopped in their mad career for the championship. They journeyed out to Darby, Pa., on the 5th and met their Waterloo in the shape of the W. K. Harris twirlers and got trimmed 14 to 9. Their excuse is that they were short three players on account of vacations and had to put in green subs. The next game will be with the Wm. Henry Maule team at Andalusia, in connection with the first annual picnic of the Michell employees.

Notes.

A final tryout between the Chicago bowlers took place Tuesday. The Convention men played the Stay at Homes but too late for us to report results.

The North Shore Horticultural Society will hold a picnic at Tuck's Point, West Manchester, Mass. on Aug. 30. A programme of sports has been arranged for the day.

The H. F. Michell Co. employees hold their first annual picnic at the Michell Trial Grounds at Andalusia today, August 12th. Two special trolley cars leave 5th and Market street at 1 P. M. A ball game with the Greer boys and much other fun and frolic. Refreshments will be served.

The Kentucky Society of Florists, Louisville, Ky., held their picnic at Stower's Grove, on July 27. The affair was a great success, about 200 people attending. W. H. Leeming was chairman of the picnic committee, and J. B.

Stuessy master of ceremonies. Out door games of all sorts were played.

A card from a swell restaurant in New York, just received, bears the inscription: "At the round table of Austin Shaw, J. S. Wilson, L. C. Bobbink, Mrs. J. A. Shaw, Mrs. L. C. Bobbink, Duella M. Wilson, Brother Wilson has now been east long enough to get the Iowa hay seed shook out of his locks. He appears to have been in the right kind of company to finish the job."

WASHINGTON NOTES.

President Taft and a number of prominent American and foreign diplomats have been invited to attend the national conservation congress at its third meeting to be held in Kansas City, Mo., September 25 to 27, and to speak on the subject of the conservation of the natural resources of this country for which purpose the congress will be held.

Frederick H. Kramer and William F. Gude have been appointed members of the general committee which will have charge of the convention of the National German American Alliance to be held at the Hotel Willard, October 6. Mr. Gude will also have charge of the decorations. It is expected that 300 delegates representing some 2,000,000 German-American citizens will attend.

With a view to the increased efficiency on the part of their employees as well as from a moral standpoint the local florists have promised to lend their aid toward at least the partial elimination of the cigarette habit and to this end have tentatively agreed to discourage the use of cigarettes by all employees and to refuse to hire or employ any boys addicted to this habit. J. H. Small & Sons, have been prominently mentioned in this connection and all of the others, practically, are falling into line with Dr. Harvey W. Wiley of the Agricultural Department, at the head.

It is reported that the Bureau of Insular Affairs is experiencing some little difficulty in obtaining capable and efficient men, experienced in their respective lines, for service in the Philippine Islands. There will be two examinations held September 6 and 7, one of them being for agricultural in-

structors, the other for a geologist. It is further reported that there are, at the present time, twelve vacancies in the position of agriculture chemist and that there will be an additional number within the next few months. The position pays from \$1200 to \$1400 per year, with transportation, etc.

The local florists and members of the Florists' Club of Washington are somewhat disappointed over the fact that the program of the convention at Baltimore will not permit of some time being given over to a visit to this city during the convention period, but any of attending members who may desire to come en route either to Baltimore or their homes may be assured that a hearty welcome awaits them. Such members are invited to make their headquarters at Gude Bros. store, 1211 F Street, N. W., to have their mail addressed there and to otherwise make use of the premises.

The local police and those of other nearby cities, have been asked to endeavor to locate one Caskin A. Abeele, a Belgian florist, who came here on July 10, with a view to securing a suitable site for a florists' shop, but of whom nothing has since been heard. He left Brooklyn, N. Y., with some \$2000 in cash and several checks in his pocket, leaving his wife and child behind to await the time until he could properly provide a home for them here. Abeele is described as being 28 years of age, about 5 feet, 8 inches in height; black hair and mustache; black eyes; full lips, wore black clothes and a straw hat. Mrs. Abeele, who speaks but little English, informed the police that the habits of her husband were excellent and that there seemed to be no cause for his disappearance other than possibly foul play.

CLARENCE L. LINZ.

DETROIT NOTES.

Tony Schmidt, successor to R. O. Kohler, is very well pleased with the way business has started.

Carey & Leff is a new firm of retailers who will open a store on Woodward Ave., near Peterbore St.

Mr. Walter Taepke and wife have returned from a trip to the Thousand Islands and the St. Lawrence River.

Richard March has bought the place of Phil. Hildebrand, 56 Clippert St., consisting of four houses, 18 x 100, dwelling and barn.

Murray Patterson was married on August 2 to Miss Minnie Foot in Scotland. The happy couple will return home on the S. S. Mauretania, leaving Liverpool on Aug. 12.

THE EXULTANT GLADIOLUS.

I rode with great interest that a recent banquet given by President of the Admiral Togo held at the State Room at Washington, D. C., was so decorated with the beautiful Exultant Gladiolus. The beautiful flower, with its long, slender, sword-shaped leaves and its tall, slender, white, bell-shaped flowers, is a beautiful sight.

Very much gratified to hear of such a successful use of the Exultant Gladiolus. We will come when the ally will know enough about the spell and prove its worth fully.

S. E. SPENCER

Glendale, Mass.



THE G. F. FLOWER CLUB OF THE ASSOCIATES - Michell's Cut Flower Co.

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GREENHOUSES BUILDING OR CONTEMPLATED.

Loon Lake, Wash.—E. T. Hein, one house.

Sioux City, Ia.—Mary K. Bishop, one house.

Lawrenceville, Ill.—Roy E. Neal, three houses.

North Easton, Mass.—J. H. Leach & Son, one house.

Canajoharie, N. Y.—Joe Traudt, house 20 x 120.

Danvers, Mass. William O'Neil, range of houses.

Hagerstown, Md.—H. A. Bester & Sons, one house.

Minneapolis, Minn.—Herman Buckman, one house.

Miles City, Mont.—Fargo Floral Co., range of houses.

Franklin, Mass.—Henry T. Haywood, one house.

Beloit, Wis.—John Rindfleisch, two houses, each 20 x 100.

Bridgeport, Conn.—Frank C. Foehrenbach, house, 20 x 96.

Canandaigua, N. Y.—R. H. McKerr, rebuilding and enlarging.

Merrill, Wis.—N. Greivelding, rebuilding and enlarging.

Wahoo, Neb.—The Polsley Floral Co., two houses, each 20 x 50.

Philadelphia, Pa.—Mrs. Flora Shelly, six houses, each 20 x 100.

Waterloo, Iowa—Charles Sherwood, two rose houses, each 28 x 100.

Manville, R. I.—Thos. T. Booth, Thayer greenhouses, house, 20 x 80.

Utica, N. Y.—J. C. Bigelow & Son, carnation house 36 x 85. Rowland Zoeckler, two houses. S. A. Pinkstone, two houses. C. F. Baker, rebuilding two houses.

PATENTS GRANTED.

999,202. Flower Pot Holder. Tillie J. Browning, Philadelphia, Pa.

999,703. Handle for Pruning Shears and the Like. William Cronk, Montour Falls, N. Y.

NEWS NOTES.

Detroit, Mich.—P. Hildebrand has sold his property and greenhouses, 56 Clippert street, to Richard Mack.

Jacksonville, Fla.—A \$10,000 building will be erected in Baker Co. by the Glen St. Mary Nurseries as part of their greenhouse equipment.

CARNATIONS

Surplus Mrs. C. W. Ward, Alma Ward and Dorothy Gordon, field carnations, \$7.00 per 100; \$80.00 per 1000. Beacon and Winsor, \$5.00 per 100.

ROSES

400 Grafted Killarney, 400 Grafted White Killarney for \$60.00.

I. M. RAYNER

GREENPORT, N. Y.

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Little Ads Bring Big Returns

Little ads in our Classified Columns bring big returns to both advertiser and purchaser.

Anything that can be sold to florists, gardeners, park and cemetery superintendents, etc., can be sold through this medium in this department, and at very small cost.

Don't fail to read them each issue, for you will find one or more that will prove profitable to you.

They Cost Only One Cent a Word Undisplayed

HELP WANTED

WANTED: a greenhouse man to work under a foreman. Apply W. DOWNS, Woodman Road Chestnut Hill, Mass.

FOR SALE

FOR SALE—Fresh from factory, new 10 x 12, 16 x 18, 16 x 24, double thick, A and B qualities. Market dropped. Now is the time to buy and save money. Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.

FOR SALE—Two water tube boilers, 100 H. P. each, Heine type; three tubular boilers, 68 inches by 18 feet; perfect condition and cheap. Armstrong Mfg. Co., Springfield, O.

CATALOGUES RECEIVED.

Theodosia B. Shepherd Co., Ventura, Cal. Wholesale Price List of Small Seeds. Petunias are a specialty with this firm.

A CORRECTION.

In advertisement of Skidelsky & Irwin last week, quotation of \$2.00 per oz. on pansy seed should have been \$5.00 per oz.

DON'T FORGET

When at the Convention at Baltimore

To call on Foley and see the GIBLIN BOILER.

FOLEY'S FLAT RAFTER HOUSE with channel iron gutter and malleable sash bar fastener. The best thing on the market.

Write Foley for everything in greenhouse construction. Prices are right. Goods the very best.

THE FOLEY MANUFACTURING CO.

Western Avenue and 26th Street, CHICAGO, ILL.

ARTSTONE FLOWER VASES

AND SUN DIALS



Artstone Vases do not, like ordinary ones, become cracked and shatter in summer as the result of the heat. They are made of a special material, which is not only resistant to heat, but also to frost and the action of the weather. They are also very durable and will last for many years.

They are also like genuine stone in appearance and weight. They are made in many sizes and shapes, and are very popular for use in gardens and on lawns.

They are also very popular for use in gardens and on lawns. They are made in many sizes and shapes, and are very popular for use in gardens and on lawns.

Prices on Application

PATRICK GRACE

55 Union Street
BRIGHTON, MASS.

SEED TRADE NOTES.

Carrot, beet, parsnip and celery seed are reported to be very scarce in Europe.

San Antonio, Tex.—The United States Seed Co. is about to move to Memphis, Tenn.

Humboldt, Ill.—J. O. Toland is building a 28 x 60, two-story and basement building to replace his old seed house.

Beatrice, Neb.—A. H. Luck, formerly manager for Carl Sanderhögger, has resigned and purchased an interest in his uncle's seed and nursery business in Fairbault, Minn.

Arthur L. Deal, son of the managing director of W. W. Johnson & Son, Boston, England, arrived in New York last week on his first business trip to America and can be addressed at the Hotel Imperial, New York City. His specialties are peas, turnips and rutabagas.

Don't forget to ask for a certificate when buying your railroad ticket for Baltimore. Reduced fare not possible without it.

Grate Bars

For Horizontal and Upright Boilers

We have been in the foundry business for nearly half a century. Consequently we have a large variety of patterns for grate bars. We carry in stock a large number of regular patterns and make a specialty of prompt deliveries. We use iron in our mixtures best suited for furnace work, and our grates last longer and give better satisfaction on that account.

Mahoney, Tupper, Double Bar and Circular

We carry stock sizes of the Mahoney and Tupper grates up to 50 in. long; these grates are all 6 in. wide, 2 in. thick, 50% air space, and weigh 50 lbs. to square foot.

The Double Bar Grate is 3 in. wide, single bars are 1½ in. wide, 2 in. thick, and weigh about 45 lbs. per square foot.

The Circular Grate is made in all diameters from 12 to 50 in.

PRICES LOWER THAN ELSEWHERE.

Broadway Iron Foundry Company

90 BROADWAY, CAMBRIDGEPORT, MASS.

RECIPROCITY WITH CANADA

We will lead by placing our products Aphine and Fungine on the Canadian market at the same prices as they are now sold in the United States.

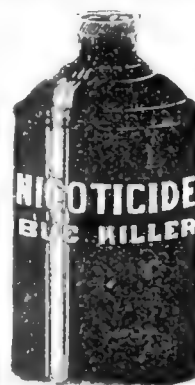
We call your attention to our regular advertisement appearing in another column.

Our goods are sold by

DUPUY & FERGUSON, Montreal

We are prepared to negotiate with responsible firms in Canada to handle Aphine and Fungine.

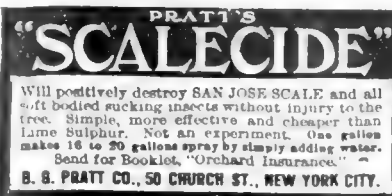
**APHINE MANUFACTURING COMPANY
MADISON, N. J.**



The Best Bug Killer and Bloom Saver

For PROOF
Write to

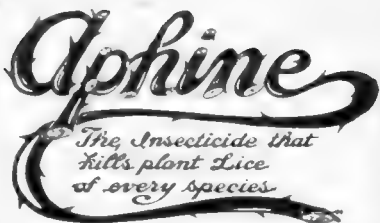
**P. R. Palethorpe Co.
OWENSBORO, KY.**



Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."
B. S. PRATT CO., 50 CHURCH ST., NEW YORK CITY.

TO BUYERS

Patronize our advertisers. they will treat you right



It will destroy all plant sucking and soft bodied insects.

\$2.50 per gallon—\$1.00 per quart

FUNGINE

A fungicide which will destroy mildew, rust, bench rot and other fungus.

\$2.00 per gallon—75c. per quart

The merits of these products have already been so thoroughly exploited that they require no further comment.

A Trial Will Convince You
For Sale by Seedsmen

"SQUITO-RID"

The mosquito repellent which repels mosquitoes. An expert experimenting on the New Jersey marshes for the extermination of the pest writes:

"This liniment I found to be excellent, so much so that I would not be without it. Previously I had been using Citronella but with poor results. It has a pleasant smell, not so sticky as Citronella and keeps the 'pests' away from you."

25c. per bottle

For sale by druggists, or we will send, postpaid, to any address on receipt of remittance.

WHAT NEXT? WATCH!

Our representatives will be at the S. A. F. & O. H. Convention to discuss agencies with dealers.

Our exhibit will be found at the entrance to the meeting hall leading from the exhibition floor. Visit us there.

APHINE MANUFACTURING COMPANY

MADISON, . . . N. J.



TRADE MARK.

CABBAGE WORMS *Destroyed by Dusting with* **HAMMOND'S SLUG SHOT**



So used for 30 years. SOLD BY ALL SEED DEALERS.

For pamphlets worth having write B. HAMMOND, Fishkill-on-Hudson, New York.

To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

Use any form you choose but buy it of

E. H. HUNT, 131 N. Wabash Avenue, Chicago

NIKOTEEN The most effective and economical material there is for spraying plants and blooms. **NIKOTEEN** Skillfully extracted from leaf tobacco, and carefully refined, it is clean and easy to apply. **NIKOTEEN** Does the work when vaporized either in pans, on pipes, or over a flame. Full Pint Bottles, \$1.50.

NIKOTEEN APHIS PUNK

Specially prepared for fumigating closed houses. It vaporizes the Nicotine evenly and without waste. Nothing keeps a house free from Aphis so cheaply.

Price \$6.50 per case of 12 paraphrased boxes. All Seedmen.



Cattle Manure in Bags Shredded or Pulverized

Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company
Union Stock Yards **Chicago**

Cocoanut Fiber Soil

is being sought after by all growers. Cover your lawns this fall and next summer you can have a green one.

20th CENTURY PLANT FOOD CO.,
27 Ocean St., Beverly, Mass.

Wilson Plant Oil & Fertilizer Company

150 Nassau Street, NEW YORK CITY
Horticultural Supplies

Write for our special Catalogue

Imp Soap Spray

Clean and odorless. Forms invisible films. Non corrosive. Usual effective strength, one to thirty two.

Guaranteed under Food and Drug Act 1910.

Single gallons, \$1.50
In barrels, \$1.00

Eastern Chemical Company
Pittsburg Street
BOSTON



Baltimore Hosts and Baltimore Guests

FOR "POT LUCK" TRY US..

HEWS STANDARD POTS

**POT MAKERS
FOR 140 YEARS**

**WORLDS LARGEST
MANUFACTURERS**

Write for Catalogue and Discounts

A. H. HEWS & CO., Inc.

**Pearson Street,
LONG ISLAND CITY, N. Y.**

**Maine Office and Factories
CAMBRIDGE, MASS.**

1000 READY PACKED CRATES

STANDARD FLOWER POTS AND BULB PANS

can be shipped at an hour's notice. Price per crate:

2000 1 3/4 in. 6	\$6.00	500 4 in. 6	\$1.50
1500 2 " " 4 1/2	4.88	450 4 1/2 " " 5 1/4	5.24
1500 2 1/2 " " 5 1/2	5.25	320 5 " " 5 1/2	4.51
1500 3 " " 6 1/2	6.00	210 5 1/2 " " 6 1/2	4.78
1000 3 " " 7 1/2	5.00	144 6 " " 7 1/2	3.16
800 3 1/2 " " 8 1/2	5.80	120 7 " " 8 1/2	4.20
		60 8 " " 9 1/2	3.00

HILLFINGER BROS., Pottery, Fort Edward, N. Y.
August Rolker & Sons, 31 Barclay St., N. Y. City Agents.
OUR SPECIALTY—Long distance and export trade.

DREER'S "Riverton Special" Plant Tub



No.	Diam.	Each	Dox.	100
10	20 in.	\$1.45	\$18.00	\$130.00
20	18 in.	1.30	14.00	115.00
30	16 in.	1.00	11.25	92.00
40	14 in.	.85	7.00	68.00
50	12 in.	.45	5.00	40.00
60	10 in.	.38	4.00	32.00
70	8 in.	.30	3.50	28.00

Manufactured for us exclusively. The best tub ever introduced. The neatest, lightest and cheapest. Painted green, with electric welded hoops. The four largest sizes have drop handles.

HENRY A. DREER, Seeds, Plants, Bulbs and Supplies, 714 Chestnut Street, Philadelphia, Pa.

STANDARD FLOWER POTS

If your greenhouses are within 50 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts., Washington, D. C.



ALL THE CLAY

FOR OUR
Florist' Red Pots
is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots, order from us.
THE PETERS & DEED POTTERY CO.
Zanesville, Ohio

Syracuse Red Pots

"A little pot is soon hot," likewise a thin pot. This will save you fuel. Our pots are the thinnest and toughest owing to the superior quality of the clay.
New price list on application.

Syracuse Pottery Co., SYRACUSE, N. Y.

Tobacco Paper

IS THE

STRONGEST,

BEST PACKED,

EASIEST APPLIED.

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

"NICO-FUME"

**Furnishes the
Most Nicotine for the Money**

...Manufactured by...

THE KENTUCKY TOBACCO PRODUCT CO.,

Louisville, Ky.

LIQUID

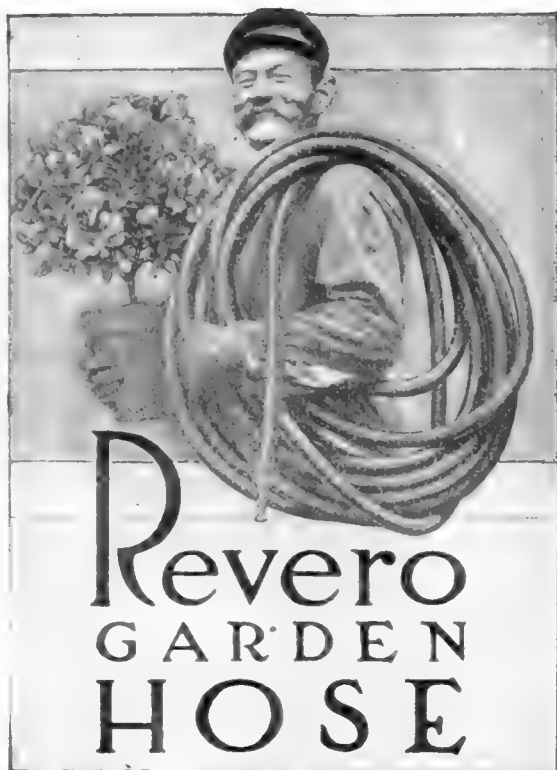
OVER 40% NICOTINE

By far the

CHEAPEST.

JUST NOTE PRICE!

Pint.....	\$ 1.50
1/2 Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25



REVERO HOSE EXHIBIT, BALTIMORE CONVENTION
Spaces 1 and 2, Section D

Light-Strong-Flexible

An indestructible moulded hose for Lawn, Greenhouse, Stable, Garage. Of braided construction; cannot un-wrap, kink or burst, like old-style wrapped duck construction. Made in continuous lengths up to 500 feet, which gives you any length you want and avoids leaky couplings.

ASK FOR REVERO HOSE CATALOGUE

Manufactured by

REVERE RUBBER CO., BOSTON, MASS.

Branches

NEW YORK	PHILADELPHIA	PITTSBURGH
CHICAGO		MINNEAPOLIS
NEW ORLEANS		SAN FRANCISCO
	KANSAS CITY	

CYPRESS SASH BARS
32 feet or longer
HOT BED SASH

PECKY CYPRESS BENCH LUMBER

GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

The A. T. STEARNS LUMBER CO.
NEPONSET, BOSTON, MASS.

**LOUISIANA RED CYPRESS
GREENHOUSE MATERIAL**

STEEL GUTTERS, TRUSSES,
PURLINS, PIPE, FITTINGS, GLASS,
Etc.

PRIVATE AND CONSERVATORY
WORK A SPECIALTY.

The Foley Manufacturing Co.
Western Ave. and 26th St., CHICAGO

In ordering goods please add "I saw
it in HORTICULTURE."

KING GREENHOUSES

**Pleased to talk
with you at the
CONVENTION**

KING CONSTRUCTION CO.

HOME OFFICE AND FACTORY
North Tonawanda
N. Y.

EASTERN SALES OFFICE
No. 1 Madison Avenue
NEW YORK

IF you want your greenhouse benches to last
 you want to lessen repair expenses
 you want an up-to-date plant

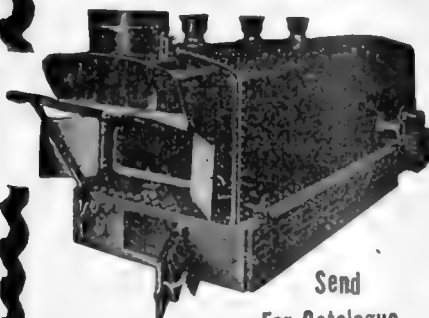
THEN USE CEMENT BENCHES

You can easily make them yourselves. Others are doing so right along. We furnish the molds, and tell you just how to do it. No expensive labor to hire—you do the work.

Send for booklet and be convinced.

E. H. HUNT, 131 N. Wabash Ave., Chicago, Ill.

What the Users say



Send
For Catalogue

Kroeschell Boiler Durable

"In 1894 we bought one of your No. 12 boilers to take the place of four smaller boilers of another make. Your boiler has done the entire work to the highest satisfaction, SAVING LABOR and about ONE THIRD OF THE FUEL we used to burn before. We had that boiler up to 1906 that is 12 years, having no repairs on it whatever, except one set of tubes we put in at 1900. Last fall we installed one of your No. 14 boilers, having enlarged our plant. It takes care of 35,000 sq. ft. of glass very easy. When firing we keep the ash door open only a cut one inch. We think your No. 14 boiler could easily 10,000 sq. ft. of glass."

DAMM BROS., Chicago, Ill.

KROESCHELL BROS. CO., 466 W. Erie St., Chicago, Ill.



Do not fail to see
our exhibition at
the S. A. F. & O.
H. Convention in
Baltimore, August
15, 16, 17 and 18

ADVANCE CO.
RICHMOND, IND.

PATENTS
Trademarks and
Copyrights

Send your business direct to Wash agrom.
Saves time and insures better service.
Personal attention guaranteed.
Twenty-five years' active service.
SPECIALTY: "Working on the Failure
of Others."

SIGGERS & SIGGERS
PATENT LAWYERS

Box 9, National Union Building
Washington, D. C.

ARE YOU GOING?

You know we mean the Baltimore Convention and our N. J. RUPP (who is always on hand at every florist convention) will be glad to meet you there.

Besides, we have a lot of things to show you and you ought to get acquainted with our GREENHOUSE MATERIAL anyway.

If you don't go send for that fine new catalog — it's one of the best ever issued.

John C. Moninger Co.

910 Blackhawk Street
CHICAGO

ELASTIC-LYKE Green House Glazing Putty

Manufactured to meet the ever increasing demands of the man who wants the best. 1-gallon, \$1.40; 5-gallons, \$6.75; 10-gallons, \$13.25; 20-gallons, \$25.45; 1 bbl. (50-gallons) \$62.50.

Hunt's Mackinaw Green for Greenhouses

For SHADING PROPAGATION, FERN, PALM, PLANT and CAR-NATION houses there is nothing equal to Mackinaw Green. It is easy to use and after the first frost is quickly removed from the glass.

1, 2, and 3 gallon cans, per gallon,	\$1.60	5 gallon kits,	\$7.75
10 gallon kits	15.25	25 gallon barrels,	37.40
50 gallon barrels	\$73.60		

Use 1 gallon of Mackinaw to 20 gallons of gasoline.

SPECIAL — For 30 days we will sell Mackinaw Green at \$1.00 per gallon. This is an introductory offer and no order for over 5 gallons will be accepted at this price.

Special quotations to Jobbers on Elastic-Lyke and Mackinaw Green.

E. H. HUNT, 131 N. Wabash Ave., CHICAGO, ILL.

GLASS

Cheap as Dirt

Have you had any prices on greenhouse glass, lately?

Write us at once for our quotations. We'll surprise you.

Take advantage of the drop and book orders for future deliveries.

Our glass all new and fresh from factory.

Hot-bed sash and greenhouse material, dropped too.

PARSHELSKY BROS., CO.
59 Montrose Ave., BROOKLYN, N. Y.

MASTICA
FOR Greenhouse Glazing
USE IT NOW.
F. O. PIERCE CO.
12 W. BROADWAY
NEW YORK



Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

THE ANNUAL MEETING OF
The Florists' Hail Association

will be held at The Fifth Regiment Armory, Baltimore, Md., on Thursday, August 17, 1911, at 9:30 A. M.

JOHN G. ESLER, Sec'y

STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St.

BOSTON, MASS.

61-63 Portland St.

SHARP, PARTRIDGE & CO.

Are Leaders in

GREENHOUSE GLASS

OUR PRICES WILL PROVE THIS.

CHICAGO, ILL.

BOSTON PLATE & WINDOW GLASS CO.

GREENHOUSE GLASS

GERMAN AND AMERICAN

261 to 287 A Street

BOSTON

20 to 22 Canal Street

LET US QUOTE YOU ON NEW
AND SECOND-HAND

Boilers, Pipe, Fittings, Glass, Greenhouse
Lumber, Tools, Sash, Etc.

METROPOLITAN MATERIAL CO.

1392-1414 Metropolitan Ave., Brooklyn, N. Y.

**Holds Glass
Firmly**

See the Point at

PEERLESS

Glazing Points are the best.
No rights or lefts. Box of
1,000 points 75 cts. postpaid

HENRY A. DREER,
714 Chestnut St., Phila., Pa.

FULL SIZE
No. 2



The FLORISTS' HAIL ASSOCIATION
OF AMERICA, insurer of 32,500,000
sq. ft. of glass. For particulars address
John C. Ester, Sec'y Saddle River, N.J.

In ordering goods please add "I saw
it in HORTICULTURE."

Ohio "The Second Mother of Presidents" Builds L and B Greenhouses



Ohio, the second mother of presidents, is now building a large greenhouse. The greenhouse is being built by the Lord & Burnham Company. The greenhouse is being built in the city of Cincinnati. The greenhouse is being built for the purpose of growing plants. The greenhouse is being built for the purpose of growing plants. The greenhouse is being built for the purpose of growing plants.



Virginia, until the election of President Taft, held the record of furnishing six out of the twenty-seven presidents. But now, Ohio, with an equal number, disputes Virginia's claim as "The Mother of Presidents."

Lord & Burnham Company,

FACTORIES: IRVINGTON, N. Y.
DES PLAINES, ILL.

NEW YORK
St. Louis Building

BOSTON
Tremont Building

PHILADELPHIA
Franklin Bank Building

CHICAGO
R. Kelly Building



GREENHOUSES

NOT those heavy, short lived wooden ones—not that kind, but fine light, enduring Iron Frame Houses that will grow the very best plants possible. Houses you won't have to spend a cent on for repairs, aside from painting, for years to come. Houses built right—ventilated right—and heated right—houses backed by over a quarter of a century of experience.

If you want your house to have curved eaves, we will gladly build it that way—in fact, rather prefer to. Send for our catalog. It is a conclusive bit of evidence.

Hitchings and Company

Write to our General Offices and Factory: Spring & Louisa Streets,
ELIZABETH, N. J.

Or Call at our New York Office:
1170 BROADWAY



This steel U-Bar and cypress core together are no larger than the ordinary wood bar.

THIS IS THE U-BAR

The Bar That Makes U-Bar Greenhouses

The Famous Greenhouses They Are.

The U-Bars are the vital part of the framework of U-Bar Greenhouses. The steel bars give the supporting strength needed. Galvanizing protects them against rust. Aluminum coating gives them an enduring, brilliant finish. The chemically treated cypress core bar makes a lasting glazing member. The combined core bar and galvanized steel U-Bar is no larger than the smallest wooden roof bar used in other constructions. The glass is two feet wide. Buy a U-Bar Sunshine Shop of your own.



U-BAR RANGE AT HOMEWOOD CEMETERY, PITTSBURGH, PA.

U-BAR GREENHOUSES

PIERSON U-BAR CO

ONE MADISON AVE. NEW YORK
CANADIAN OFFICE: 100 RUELLE, MONTREAL

HORTICULTURE

Vol. XIV.

AUGUST 19, 1911

No. 8

LIBRARY
NEW YORK
BOTANICAL
GARDEN



R. VINCENT, JR.

President-elect Society of American Florists and Ornamental Horticulturists.

DEVOTED TO THE
FLORIST, PLANTSMAN, LANDSCAPE GARDENER AND KINDRED INTERESTS

PUBLISHED EVERY SATURDAY AT 11 HAMILTON PLACE, BOSTON, MASS.

SUBSCRIPTION, \$1.00 PER YEAR

U KNOW US**LET'S KNOW U****THE WORLD'S BEST CYCAS LEAVES**

which we displayed at the Great Baltimore Convention again proved our Leadership in the advancement of the Florist Trade.

OUR WORLD'S BEST CYCAS LEAVES are so NATURAL that they cannot be distinguished from the FRESH CUT LEAF—NO PAINT—or VARNISH used, simply "JUST NATURAL" that's all.

We are the SOLE DISTRIBUTORS of the WORLD'S BEST CYCAS in the UNITED STATES.

Why not write to-day for samples and prices?

These are the Cycas Leaves for The Up-To-The Minute Florists.

KATALOG for the asking.

The Leading Florists' Supply House and Ribbon Specialists

**M. RICE & CO., 1220 Race Street,
Philadelphia, Pa.**

Manufacturers—Importers—Originators

LILIUM HARRISII

(The Bermuda Easter Lily)

LET US supply your wants in Lilies this season

We think we can make it to your advantage to do so, as regards both quality and price.

The stock that we offer is not gathered indiscriminately from all kinds of sources, but is grown for us by a few selected growers, whose stocks have been worked up from the true, original stock. In order to ensure the health of the product, the bulbs are not grown on the same field oftener than one season, other crops being grown on the field the preceding year. The ground is thoroughly manured when the previous crop is grown, leaving it in a high state of cultivation, and when the lily bulbs are planted no fresh manure is used, and this prevents disease and ensures a crop of strong, healthy bulbs.

In addition to this, we do not dig our bulbs as early as they are usually dug, but leave them in the ground until they are thoroughly ripened and matured. When Harrisii is good, it leaves little to be desired. There is very little, if any, stock obtainable as good as the stock that we are offering. We are supplying only this one grade of selected stock, and when this is disposed of, we shall have no more to offer.

While the quality of the stock that we offer is of the highest, our prices are as low as, or lower than, the prices of those who offer the ordinary stock gathered from indiscriminate sources. We are sure buyers will find our stock very satisfactory, and much more so than the Japan-grown Longiflorum, which has badly deteriorated in recent years.

Bear in mind that we were the original introducers of Harrisii in Bermuda, and that we have exceptional facilities for obtaining our present supplies. Also take note that the smallest bulbs that we offer are 6-7 inch bulbs, not 5-7 inch, as usually offered.

6-7 inch bulbs, 350 to the case, \$15.00 per case; full thousand lots, \$40.00 per 1,000.

7-9 inch bulbs, 200 to the case, \$16.00 per case; full thousand lots, \$75.00 per 1,000.

9-11 inch bulbs, 100 to the case, \$18.00 per case; full thousand lots, \$175.00 per 1,000.

FERNS

We have an exceptionally nice lot of ferns in the following varieties,—good, bushy, well-grown plants that will please the most critical buyers. Plants have been grown in pots, and are thoroughly well established and nicely finished.

Nephrolepis Bostoniensis and Piersoni, 6-in. pots.....\$0.50 each

Nephrolepis Elegantissima, Piersoni, Bostoniensis, and Harrisii, heavy 8-in. plants.....\$1.00 to 1.50 each

Nephrolepis Elegantissima, Bostoniensis, and Harrisii, heavy 10-in. plants 2.50 each

**F. R. PIERSON COMPANY, Tarrytown-on-Hudson,
NEW YORK**

GERANIUMS....

We have no hesitation in claiming that our collection of Standard Geraniums stands pre-eminent among such collections in the country, as far as only distinct and useful varieties are concerned. It is the result of the most careful selection from hundreds of varieties, from the most European and American introductions, and comprises only those sorts which years of experience have taught us are the very best of their several different classes, and which can be depended on to produce the most satisfactory results, and which represents the highest standard of development yet obtained in its special class or color.

In keeping our list up to this high standard we are continually adding some of the newer introductions and discarding some of the old sorts which have been favorites but are now superseded by others which are more beautiful in form, greater in substance, more expansive in color, more satisfactory in growth.

We have prepared to propagate these in large quantities, having added thousands of plants to our already large stock. If you can use them in large quantities write us and we may be able to make you special price.

We are booking orders for DAHLIA & CANNA roots for fall delivery. Send for List.

R. VINCENT, JR., & SONS CO., White Marsh, Md.
Growers of Plants for the Trade

ROSES - Own Root—Fine Stock

White Killarney } from 3 in pots . . . \$8.00
Richmond }
Pink Killarney, Chatenay, Kaiserin,
Perles, Sunrise, Sunset, from 3
inch pots . . . \$8.00
Bride, Bridesmaid, Golden Gate.
\$65.00 per 1,000, \$7.00

GRAFTED
Fine Stock, 3 inch pots
Pink Killarney, White Killarney, Bride,
Bridesmaid, Kaiserin, My Maryland.
\$15.00 per 100

Kaiserin strong, year old, from 5-inch
pots, \$3.50 per doz., \$25.00 per 100.

STEVIA COMPACTA

2½ inch pots, \$3.00 per 100, \$25.00 per 1000.

WOOD BROS. . . Fishkill, N. Y.

HOME GROWN PANSY SEED

S & I Special Strain. None Finer. \$5.00 Per Oz.

Poinsettias, 2½-inch plants, at \$6.00
per 100; \$50.00 per 1000.

Cyclamen Seed, Giant English strain,
in all colors. \$1.00 per 100; \$9.00 per
1000.

Mignonette Giant Excelsior from giant
selected spikes. 1½ oz., \$1.00; oz., \$5.00.

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Cynoches chlorochilon or Swan's Neck Orchid

The genus *Cynoches* is perhaps the most interesting and perplexing of all the Orchid Genera. When buying plants out of bloom one never knows what he is getting and the appearance of the first flowers, whether male or female, is always awaited with great interest and a certain amount of speculation. The plant figured here was received last fall from Julius Roehrs Co., of Rutherford, N. J., under the name of *Cynoches chlorochilon* carrying a raceme of male flowers at the time. A plant of apparently the same thing is figured in their catalogue with a raceme of male flowers under that name and on the foregoing page one with female flowers. On looking up the record of the species, however, I find that the two sexes of *C. chlorochilon* do not show much diversity except in the female having a short stout column with a pair of triangular wings.

There seems to be something wrong somewhere and I have a suspicion that all the figures represent *Cynoches maculatum*, a good figure of this with both sexes, appeared in the *Orchid Review*, Vol. XVII, p. 273. The plant figured here is now producing two more racemes from the same bulb, but it is too early to say what sex they will represent, most likely again all male flowers, for female flowers of this section of *Cynoches* are rarely produced under cultivation. *Cynoches maculatum* was described by Lindley in 1840 from plants bearing male flowers and these have appeared very often since, but the female flowers of this species were not known, or at least not recorded, until 1909, or nearly 70 years after the first male flowers appeared. The diversity in the two sexes of some of the species is very great and it is no wonder that plants of the same species are often sold and grown under different and erroneous names.

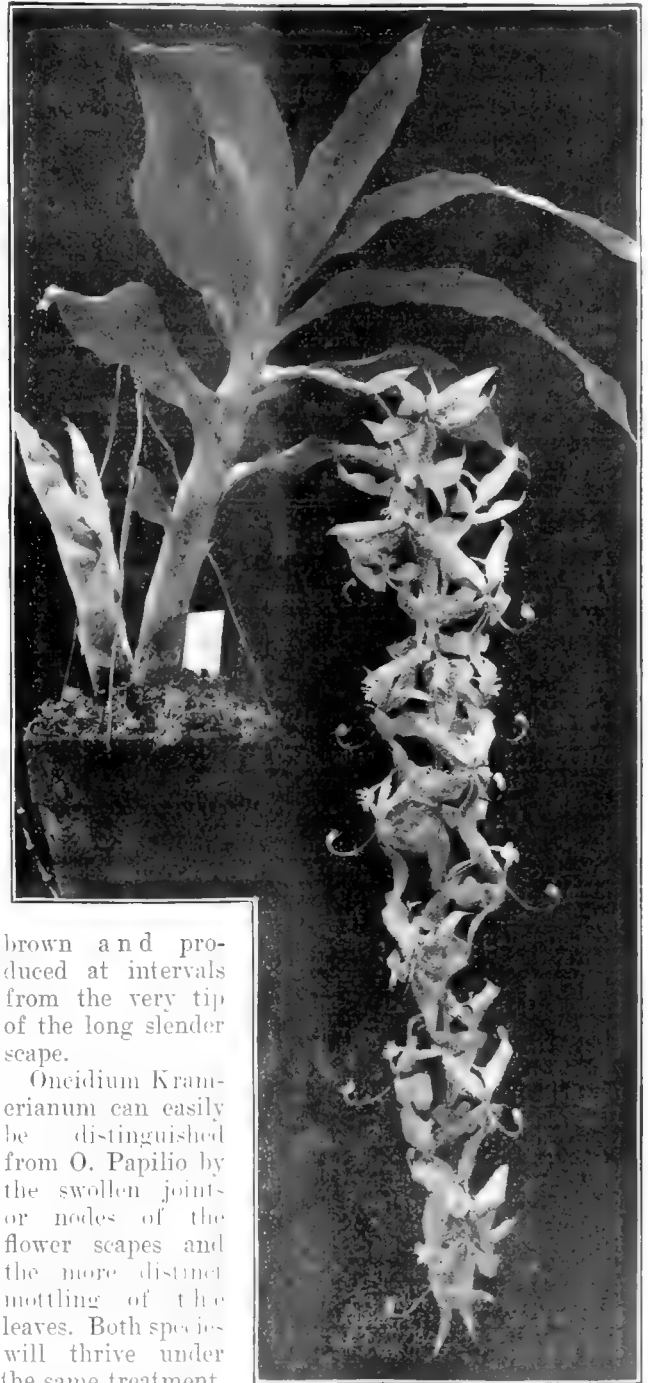
CULTURE

Cynoches need a very decided rest after flowering in a temperature of about 55 to 60 degrees. Very little water is required after the bulbs have finished and the flowers faded; just enough to prevent shrivelling until the new growths appear in late winter or early spring, when the amount should be gradually increased, being careful not to let any water lodge in the new growth or they will be very apt to rot off. From this time on they will also require a warmer temperature and when in full growth one can't get it too hot for them, providing the atmosphere is moist at the same time. When well rooted and the new pseudo bulb commences to swell they will enjoy an occasional dip in weak liquid manure, say once or twice a week, but it must not be overdone, lest the roots might decay.

Shade just enough during the growing season to prevent scorching of the leaves. After growth is completed and the leaves commence to turn yellow, give full sun, plenty of fresh air, and very little water. *Osmunda* fibre is the best potting material for them. Use small receptacles, preferably common flower pots or pans, and suspend near the glass in a warm house in order to give them the full benefit of the light and heat. Under these conditions they will grow and flower freely.

THE BUTTERFLY ORCHID

Two species of *Oncidium*, namely, *Oncidium Papilio* and *O. Kramerianum*, go by the above name. Both are nearly allied, the former being, perhaps, the best of the two, having larger and better colored flowers produced on longer and more slender stems. Both of them have beautifully mottled leaves and handsome yellow flowers which are barred and mottled with chestnut



CYNOCHEs CHLOROCHILON

brown and produced at intervals from the very tip of the long slender scape.

Oncidium Kramerianum can easily be distinguished from *O. Papilio* by the swollen joints or nodes of the flower scapes and the more distinct mottling of the leaves. Both species will thrive under the same treatment. They do best in

small baskets, using a little *Osmunda* fibre for the roots to run in, suspended in a sunny position in the warm or East India house where the temperature rarely goes below 60 degrees. They should never be allowed to get very dry as they are nearly always on the move, either growing or flowering or both. There is a plant of *O. Papilio* here with seven flower scapes which are in bloom nearly all summer and sometimes way into the winter, each scape producing its flowers at intervals of from one to three weeks. A few plants of these interesting orchids should be in every collection.

M. J. Cope

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This is Baltimore's week and right well has she made use of its privileges and its obligations. And the horticultural interests of our country are advanced and enriched by the splendid success of this notable event, the spirit of progress with which it was imbued and the inspiration generated, in which not only those who were in attendance but the stay-aways are beneficiaries. As to those who stayed away, who are in the habit of staying away from these enthusiastic gatherings, we are truly sorry for them. There are many who from one circumstance or another are obliged to be absent, but there are thousands who ought to support the Society with their presence and their influence, who can if they wish, but who do not. Some of you who think you have no time to waste on such things, who find your own business demands all your time, who "haven't taken a vacation in twenty years," might take to heart the admonition in the Philadelphia Telegraph:

"Imagine the good time your widow is going to have some day on the money you have saved."

Window Boxes

Mr. Editor:—Your editorial in last week's issue of HORTICULTURE, captioned "Blamed anyway," relating to window boxes is timely and to the point. In a recent editorial you called attention to the fact that window boxes are not so popular in Philadelphia as they used to be. There must be some cause for this and it is up to the growers of window box plants to find the cause and apply the remedy. A properly filled and properly attended window box is decidedly ornamental; while a poorly filled and cared for box is an eyesore. That the construction of the box or receptacle is "prolific cause of failure" is a point that should be emphasized and no florist should allow a box or plant receptacle of any kind to be filled on his establishment unless it is all right. A case of this kind, with which, fortunately, I had nothing to do, was called to my attention this season. A large factory in New York had a lot of window boxes made in its own shop, painted them green outside (which was all right) and smeared them with white lead inside (which was wrong). No holes were made in the bottoms of the boxes. Thousands of suitable plants were bought and planted in those boxes by men who call themselves gardeners. The plants promptly started to dwindle and die and the dealer who supplied the plants was blamed. They refilled those boxes using the same soil and with the same result. Again the dealer is blamed. "Blamed anyway." A failure on so large a scale as this is sure to be noticed and deter others from attempting window box decoration. How the florist can "butt in," seeing those people do all their own work is more than I can see.

If the editorial referred to was published in the monthly magazines or daily papers it would reach a class who ought to be posted on such things.

John Birnie

West Hoboken, N. J., Aug. 14.

Seasonable Notes on Culture of Florists' Stock

CYCLAMEN

Give your earliest batch of these plants their last shift now. Plants coming out of 4-inch pots should have a 6-inch pot and those from a 3-inch pot will go into a 5-inch pot, and so on according to the vigor of the plants. For a compost use a moderately firm sod that is fairly well decayed three parts, well rotted cow manure two parts, leaf-mold one part, and some clean sand to make the whole porous. See that each pot has a fair amount of drainage. Continue to treat them with care so they will not receive any severe check from either too much water or the want of it. Give the plants a daily syringing overhead and underneath for this is a prime requisite. Keep the material on which the pots stand and the atmosphere moist by wetting between the pots as it cools the air and refreshes the plants. Where you have your cyclamens in frames let them remain here for another month as the conditions suit them here better than in a house any earlier. When they are removed to the house see that they have a position as near the glass as possible, and if each plant is stood on an inverted pot a better circulation of air will get all around the plants. Give frequent fumigations so as to keep them clean.

CARE OF HARDWOODED PLANTS

Don't overlook your azaleas. Just as soon as they begin to crowd one another give them more room. Give the pots a mulch of rather fresh cow manure for it will help them greatly in the formation of flower buds and, later on, the flowers themselves. See that they are well supplied with water as the neglect of water always does serious damage. All such plants as ericas, epacris and genistas should be faithfully attended to right along. Watering two and three times a day is often necessary to keep them moist at the roots. It is even advisable to examine them by taking one or two out of their pots to ascertain whether they are getting too little or too much water. Ericas and epacris must not be suffered to get too much water at the roots now. If heavy rains seem likely lay them on their sides. They can remain outside until the middle of September. To risk them out later than this is not advisable. Genistas should be making excellent growth now. Be sure and use the hose freely on these plants so as not to let red spider spoil the foliage.

BOUVARDIAS

All strong growths should be pinched back, and all the weak growth that they made while in small pots should be cut out, for only the strong growth that comes from the root should be saved. They should be lifted the last of this month or the first week in September and they will take hold of the soil better than at a later date. They will do well on a bench of five inches of soil in a house that runs anywhere from 58 to 65 degrees at night. After they are either benched or potted, spray them several times a day and keep up a good atmospheric moisture by damping down the walks and walls—which will keep them from wilting so bad. For the first eight days some shading will be very favorable to their well doing. By giving them the proper syringing you will be able to keep off the attacks of both the red spider

and mealy bug. When the beds or pots get full of roots they will be greatly benefited with manure-water once or twice a week.

GERANIUM CUTTINGS

From now until October if we have no cutting frost, geranium cuttings can be taken. Cuttings taken during September and later are less liable to loss from damping than those that are inserted from now up to the tenth of September, as the cool nights help to harden up the wood. Trim your cuttings up well, leaving only the small leaves on the top of each cutting. To leave more only means endless trouble later on in picking them off, as they always get in a decayed condition. All the cuttings that are put in from now until the tenth of September should give a good cutting during January, which can be rooted in a gentle heat and grown on. After the cuttings are put in keep them moderately moist until they are rooted, when they can be kept much drier until they are potted off. This treatment causes them to make a mass of fine fibrous roots. When they are potted up avoid using any green manure in your compost. Manure, if used, should be thoroughly decayed, so that it will crumble up very easily. A good compost is a mixture of three-fourths of new soil to one-fourth of some very old manure and a 5-inch pot of fine bone meal to every barrow-load of the above mixture.

MARGUERITES

The stock plants should by this time have broken away and made some fine succulent cuttings. So look over the plants and secure cuttings of from two to three inches long and strip off a few of the lower leaves with a good clean cut at the bottom. This is all that is necessary to make a good cutting which will easily root in any ordinary propagating bench. As soon as these are rooted they should be potted off and not allowed to make too long roots before being taken out of the sand, for they will feel the check less. Use a 2½ or 3-inch pot with any good heavy loam, to which an addition of one-fourth of well-rotted cow manure has been added. These young plants should have at all times the fullest light and ventilation in abundance. By keeping these potted along they will make nice plants in 6 or 7-inch pots for next Easter.

ROSES

Watering and syringing should be carefully attended to now. The half-doing of these essentials causes all kinds of trouble. Syringing improperly done only allows red spider to get a good foothold. When the nights get longer and cooler do all your watering and damping down before three o'clock in the afternoon, for all roses that have heavy and luxuriant foliage always collect abundant moisture which leaves the foliage dripping during the night and is very favorable to black spot. From now on most nights will call for a little fire heat. This along with a little ventilation is a very helpful factor in rose culture. Keep on tying as your plants may need it, for you can then do syringing better and it also lets the light and air around each plant. Use all caution to restrict mildew.

John J. M. Farrell

Mr. Farrell's next notes will be on the following: Carnations for Pot Culture; Cinerarias; Gloxinias and Tuberous Begonias; Orchids; Peonies; Paper White Narcissus

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS

A Well Attended Convention and Splendid Trade Display

Chicago the Next Meeting Place

Officers Elected

PRESIDENT—R. VINCENT, JR., White Marsh, Md.

VICE-PRESIDENT—AUGUST POEHLMANN, Chicago, Ill.

SECRETARY—JOHN YOUNG, New York, N. Y.

TREASURER—WILLIAM F. KASTING, Buffalo, N. Y.

The meeting hall in the Fifth Regiment Armory, Baltimore, was well filled when at 2.30 P. M., on Tuesday, August 15, President Graham of the Gardeners' and Florists' Club of Baltimore called the meeting to order and opened the preliminary proceedings of the 27th annual S. A. F. Convention by introducing as the representative of the state of Maryland, Hon. M. Winslow Williams, Secretary of State, who in most cordial terms voiced the welcome of the state to the visitors and paid a graceful tribute to the elevating influences of the florists' calling. Mr. Graham then introduced Mayor James H. Preston, who in vigorous fashion presented the compliments of the city to her guests, and told them briefly about Baltimore's parks, manufactures, harbor and public works.

Robert Craig responded for the visitors. He said that florists always feel at home in Baltimore, and unstintingly praised the always ready hospitality which characterizes her citizens. Mentioning the horticultural history of the city he paid a high tribute to John Cook, whose productions in roses had attained world-wide fame, and extended on behalf of the society warm congratulations on the successful opening of this great event.

Mr. Graham next presented President George Asmus, who after the uproarious applause had subsided proceeded to read his address as follows:

PRESIDENT'S ADDRESS.

Ladies and Gentlemen, Members of the Society of American Florists and Ornamental Horticulturists:—

It is with great pleasure I address you on this occasion, the twenty-seventh annual meeting of our society. Although being the first time this city has been chosen for a meeting place, it is not the first time we are guests of our brethren in Baltimore, for the memory has been ever dear to us of that splendid afternoon and evening's entertainment on Friday, August 18, 1905, when as a fitting climax to an enjoyable and profitable meeting in the city of Washington we were welcomed here in true southern spirit and now we are here again to partially pay that debt of gratitude, even as a victorious army returns from the scene of con-

flict. In the six years that have passed we have to our credit many victories won by legislation and arbitration for the general good of our profession and those engaged in it. We also have a much larger sum of money in our treasury, a greatly increased membership roll and two great successful national flower shows to look back upon.

The one thing that stands out prominent in connection with the show held in Boston last March was the bringing together of the different societies for the display of their productions and the opportunity of attending the different meetings at one expense of time and travel. This has been one of my great desires for a number of years. The great growth of our business has necessitated the specializing of many of our large growers and with them it was a case of "Not that I love you less, Brutus, but that I love Caesar more," meaning that their greater interests were in one of the special societies, but we have solved that problem and never again must we meet separately. Ours is one cause for the good of all. Our national shows have come to stay and to that end we should organize at once. The shows should be held once every two years. It is true that the first shows took a longer period of preparation, but that time was used in careful consideration of premium lists, finances and other details which gave us the experience we needed.

The national show should always be held in the spring. Fall shows are not new and are covered in nearly all large cities and in this connection I wish to state that I am pleased that many local societies and Florists' Clubs are following the example of the national society. Now if we wish to profit by the experience in past shows we must always have as men at the head some of those who have assisted in previous shows and as briefly as possible I will outline my plan for your consideration.

Permanent Show Committee.

I would suggest a permanent National Flower Show Committee, say of six, to be appointed, two for six years, two for four years and two for two years and every other year the president to appoint the members for the

six-year term. Thus there would always be on the committee four members of at least two shows' experience. These committeemen should be as representative as possible of the different societies taking part in the show. The chairman of this committee could be elected by the committee or appointed by the president after the location of the show had been decided upon, as it would be of great advantage to have the chairman close at hand. These exhibitions properly conducted show but little chance for loss and therefore I would suggest that 50 per cent guarantee be assumed by the society and 50 per cent, as in the past, by personal subscription.

Trade exhibitions and the selling of space as inaugurated at Boston proved wise and should be continued, and the checking of receipts and disbursements should be done by our officers, as we have a system that has always proved adequate for that purpose and officials that are paid for that work. The great good done by such exhibitions cannot easily be conceived. The standing it gives the trade and the general promotion of horticulture is apparent when the vast throngs that visit the shows and the newspapers' publicity given them are considered. There are no doubt some of you who will differ with me and say that the shows should be conducted outside the society, but I say no. We have found the way to cement our different lines into one general interest. The meetings and the organization of this society have made this possible and we must not take this healthy young child from the mother organization. Our national charter was given us, too, for the development and advancement of floriculture and horticulture in all its branches and we are coming very near complying with that in these exhibitions.

The charter, constitution and by-laws should be printed with the proceedings every year, and it would be well to print therewith proposed amendments to the constitution and by-laws.

Conventions and Trade Exhibits.

It has been my experience that immediately after the selection of a city for the convention the coming year, inquiries are instituted as to what

part of the expense the society will have to assume, and I think that a by-law should be passed that would cover this matter in a general way. The officers of our society awakened to the fact a few years ago that our membership was not developing in proportion to the expense which we incurred, and about the same time we also discovered that one of our largest assets, the trade exhibition, was being used as a big joy fund, and in several instances there was enough left, although we all had participated in considerable joy, to fatten the treasury of the local organization.

The necessity of stringent rules for the proper conducting, the charging and rating and the responsibility was apparent, and the rules to manage and maintain that part of conventions were adopted, and the results of that action are just beginning to be felt. By referring to the report of the Rochester meeting it will be found that over \$1,500.00 was added to the treasury after paying all expenses. Thus when we accept invitations from cities that as an inducement give us concessions such as hall rent, etc. free, it is of great assistance. This beautiful building has been granted to us by the Baltimore brethren on behalf of the business men of the city on those conditions. Then the three principal things for us to consider in the selection of the next place of meeting are: the offering of the hall, the advantage to our trade exhibitors and the opportunity for increase in membership.

The society has no financial inducements to offer any city soliciting the convention. It long has asked that lavish entertainment be done away with, as there is always one enjoyment, greater than any other, that of meeting your fellow in trade and exchanging ideas. The amount of business we have to do sometimes suffers by the entertainments. I can see the day not far distant when the fourth day on the programme will have to be devoted to business sessions. Very often debates and discussions on subjects important to everyone are shortened for lack of time, and several of our important committees have complained, that after a large amount of work and the preparation of a lengthy report, that the matter is hastily rushed through and much that might be gained by discussions is lost.

I do not wish to be understood as against all entertainment. There never need be any fear of that! The danger, if any, lies in each city trying to outdo the other.

Convention Shows.

At the convention in Cincinnati two years ago a resolution was adopted to hold a cut flower and plant exhibition in connection with the trade exhibition. This was attempted at Rochester last summer by the Rochester florists who, with the aid of exhibitors by trades people, made a creditable showing. I am pleased to note that the members of the American Gladiolus Society are with us as a body, and it is just such exhibits as this that will make the exhibitions possible.

The Board of Directors has proposed as one way to promote the plant and flower exhibition at the convention, to allow the local people at certain times to admit the public at a reasonable admission, the money thus obtained to help defray the expense of music, decorations, etc.

Rules 1 and 2, as adopted by the Executive Board, should I think be added to our Constitution and By-laws and are as follows:

1. The society shall control all the features of the trade exhibition.

2. There shall be appointed annually at the winter meeting of the Executive Board a superintendent of exhibits and an advisory committee of three. Said superintendent shall have general charge of all details of the annual exhibition. He shall receive all applications for space and assign the same in the order in which they are received by him. He shall furnish the society, through the secretary thereof, a list of the exhibitors and exhibits by 1.00 P. M. on the day of opening the convention. He shall also furnish the secretary with a list of novelties and new devices submitted for awards, said list to be for the use of the judges.

He shall make no expenditure exceeding \$10 in amount without the consent of the advisory committee. He shall keep full detailed records of receipts and expenditures and other matters of importance relating to the exhibition. Immediately after the close of the convention he shall make a complete report, which, after having been audited and approved by the advisory committee, shall be forwarded with the records of the exhibition to the secretary. All money collected by him shall be forwarded from time to time, without undue delay, to the secretary. All bills incurred shall be endorsed by him and submitted to the advisory committee for approval, after which they shall be sent to the secretary for payment by the treasurer of the society.

The advisory committee shall act as an advisory and audit board, subject to instructions of the Executive Board, and in case of disagreement between them and the superintendent their decision shall be final except it be reviewed by the Executive Board.

My reason for this is that it has taken years of work to bring this feature up to its present standard and a matter in which the revenue involved is so large in comparison with the total amount of dues received, should be under the control of the society proper. The details should be left as they now are, in the control of the Board, as minor changes are very often necessary.

Membership.

This is one of the great problems that confronts us, and in proportion to the growth of all branches of our business, it suffers by comparison. Reasons and theories have been advanced but when the benefits derived are considered it seems incredible. True, we are slowly and steadily growing. Our secretary's report will show that we made a fine gain during the national show at Boston, and the results of recent efforts with which you are familiar through the literature received will also be given you, but when our tariff and legislation committees go before bodies of whom we are asking our rights, they immediately want to know who we are, and whom we represent, and our membership of only eleven hundred does not signify that we are as strong as we should be to obtain proper recognition. By carefully examining the secretary's reports we find that our gains in mem-

bership are almost entirely at conventions or national flower shows and in some cities where we had reason to expect the largest increase we were disappointed, and for the reason, we have discovered, that the open hand of hospitality was so far reaching. The craft in general has been invited, regardless of their being attached to any organization. Just so long as they were florists they were feted and treated, and went away happy but forgot the magnitude of hospitality offered them through the members of the society and the society itself.

We have been so liberal that we thought it would be terrible if, when a florist came to the outer doors of the tabernacle and asked for admission, we would ask him if he was a member, but does not the work of you gentlemen for the past 26 years in their interests demand support? Aye, and so for several years past we have asked that in consideration for his membership we shall pin upon his bosom the highest token of honor, the leaf and emblem of our national organization, which grants the right to our festive occasions and business meetings. Not to be severe with those that are paying for space in our trade exhibitions we have granted them the privilege, by personal recognition, of bringing into the building our brothers in the trade, and we have always hoped and trusted that before they retired they would join in our ranks—this has helped us gain some members and it will continue to do so just as long as we adhere to this policy.

A natural increase in membership also comes from the convention being held in new localities where the society has not held its meetings for several years, and in the selection for the place for the next meeting, this should be given due consideration.

The Elections.

I am now going to voice the sentiments expressed by several of my predecessors and say that the president of our society ought to have had experience on the Executive Board to make him better fitted for the office. I am also in favor of the election of the Board of Directors by the society. I think that the selection of the men to perform the important work of the Board would be better left to the discretion of a number of men rather than to the several presidents. On the contrary with the offices of secretary and treasurer, their work has to be scrutinized by the Board, who are also the instigators of a large proportion of their work. If perchance the offices were not satisfactorily filled, and satisfactorily means judiciously, promptly, correctly and obediently, there is no immediate redemption. Their official capacity is better known to the Board to whom are entrusted the welfare of the society and the greater proportion of our serious questions, therefore why not this?

Trade Exhibits and Officers.

In conducting the trade exhibit it has been the custom to hire a superintendent and as a recompense allow him 10 per cent of the gross amount derived from the rentals of space, which for several years past have amounted to from \$225.00 to \$250.00, and on several occasions an additional \$50.00 has been allowed as expense outside of the ordinary requirements.

There have always been a number of other items such as stenographer, bookkeeper and miscellaneous expenses, which approximately, from the reports of the last several years, amount to between \$100.00 and \$600.00.

Each year the office accounts and records are kept differently and I know of no time when any of the incidentals connected with this office were ever used for another year, which all means some outlay. Now we are all very nearly agreed that the secretary's salary is hardly enough to recompense a man such as is necessary to properly perform the important duties connected with this office for his entire time. Our membership is not increasing rapidly enough to increase this salary. Now then the same conditions exist concerning the office of superintendent of trade exhibits. We can not employ one for long enough a period at the amount usually earned, for he must have other employment at the same time and perhaps that something else in his own business or his employer's; therefore we have two important positions partially, when we could have them wholly filled, at a reasonable increase.

Now, why not combine the duties of the two; they both are clerical in their way, and both at a certain time need the undivided attention of one man? The duties of the superintendent of trade exhibit are mostly correspondence, except for a short period before the exhibition and then the secretary should be giving his undivided time for the good of our organization and should be in the city where the convention is to be held, assisting, as a paid official, the many willing volunteers who are giving their time, without recompense, toward preparing for the grand welcomes that have greeted us in the past and in this city at this time. This is my solution of obtaining that for which we have been striving, the undivided time of a secretary and superintendent of trade exhibits.

It can easily be seen that both offices can be combined and the duties be competently and judiciously performed. The secretary has all the advantage of his office to secure new business, and the combining of the two offices does not entail any more expense than we have been under during the past two or three years, but it means better results. The amount of salary I have in view at the present time is \$1500 per year and if the work increases as it should under proper supervision, our income will increase, and the time is not far distant when \$2000 a year should be our secretary's salary. He would be the proper man for secretary of the national flower shows,—his statistics and experience would make him the natural choice—his salary and the duties of his office ought to make his presence a necessity on such occasions.

Separate Section Meetings.

The adoption of this suggestion of President Valentine was one of the good things that cannot be praised too highly, and is conducive to great good both to the different societies as well as to our own. Buildings such as this in which we are meeting are particularly adapted, with the different regimental rooms available. I have always been a believer in the necessity of these societies and of their being able to better carry out their specific

work than can be done in our general meetings. They do not conflict, but assist, and every organization pertaining to horticulture, whether a Florists' Club, Horticultural Society, Gardeners' Association or any other specific in its character, formed to promote its own interests, and at the same time the interests of horticulture, should have the encouragement and support of our society. Perhaps some plan could be developed whereby each one of these organizations, when they could show a certain number of their membership in our Society, would be entitled to a representation on our Board of Directors. This would help make our Board representative of all interests and be an inducement for them to get their members into the National organization, thus materially increasing our membership.

The Outlook.

The last year has been one upon which we can look back with much satisfaction, for while business in a great many other lines has not been up to standard and a great feeling of unrest has prevailed among some of them, we, generally speaking, have no complaint and the outlook for a continuance is most promising. There have been fears of over-production among the conservative, but this has not developed, and these fears must have passed away, judging from the large number of buildings being erected or contracted for at present. Some of the building concerns say that this year promises to be the heaviest in their history.

In conclusion I wish to state that I have refrained from touching on many subjects of importance to the Society, but they are in the hands of carefully selected committees, whose familiarity with their work will give to you far better recommendations than I could, and their reports will be presented in due time at this convention.

SECRETARY'S REPORT.

Secretary H. B. Dorner then read his report as follows:

I have the pleasure of presenting today the secretary's report for the 27th annual convention of this, one of the finest national organizations in the country. It has been a pleasure to follow the work of the organization for the year. While the Society has not made the progress that was really possible, there are things that will help to make us more proud of our organization.

The National Flower Show.

Perhaps the most important event of the year has been the National Flower Show. All who were there will agree that it was the finest flower show ever held in this country. Many of the exhibitions were beyond expectation and all were worthy of the trip to see them. A full report will be given later by the committee through whose efforts such a show was made possible.

Condition of the Finances.

The finances of the Society are gradually improving. The permanent or Life Membership fund has been increased since the last convention by the sum of \$1,261.65. This amount was derived from the fees taken for Life Memberships and interests ac-

cruing during the year. The fund has now reached the sum of \$9,700.15. Of this amount \$7,500.00 is invested in the form of two loans secured by mortgages on properties located at Fort Wayne, Indiana. These securities bear interest at 5 per cent.

Membership.

The membership has also been steadily increasing. At the end of 1909 the membership of the Society was 995. At the end of 1910 this was raised to 1073 with the prospects that it will be much increased during the present year. The paid-up membership up to August 10th is 1055, or just 18 less than at the end of 1910. 175 of the members on last year's roll have as yet failed to pay their dues but a number will do so before the year is over.

New Members.

One hundred and fifty seven new members have already been taken in during the year. This is more than twice the number that were added up to the same date last year. At the suggestion of the President letters were sent out to all the members making an appeal for increased membership. The appeal was in the form of a request that each member make an attempt to secure at least one new member. The names of all members sending in applications are to be included in the printed report. Up to date 19 of the numbered application blanks, which were sent out with the letters, have been returned. The following members sent in one or more applications:—

E. A. Peirce.....	12
Morris Goldenson.....	3
S. Wallace Tilton.....	1
Peter Flanagan.....	1
R. Vincent, Jr.....	1
Wm. F. Kasting.....	3
R. A. Vincent.....	3
H. G. Berning.....	2
Joseph Traudt.....	1
I. S. Hendrickson.....	1
P. L. Larson.....	1
Robt. Halliday.....	10
James D. Hooper.....	2
Geo. Asmus.....	1
John Miesem.....	1
Jos. Manda.....	3
T. P. Langhaus.....	1
F. E. Brockman.....	1
Matt Thau.....	1
Florists' Tel. Del.....	6

The following vice-presidents were also active and have sent in many new names:

Conn.—W. R. Pierson.....	4
Iowa—Jas. S. Wilson.....	1
Mass. (East) W. A. Hastings.....	14
Mass. (West) G. H. Sinclair.....	1
Mo.—Fred H. Weber.....	6
Penn. (East)—S. S. Skidelsky.....	1
Rhode Island—L. J. Reuter.....	2
Wis.—J. E. Mathewson.....	2
Alberta, Canada—A. M. Terrill.....	1

Few realize that by a little concerted effort on the part of the members, the membership can easily be doubled. It is to be hoped that the method suggested by Pres. Asmus will be continued from year to year and that the members will make a greater effort to aid the Society in this manner.

Life Members.

Of the new members added to our roll, five have come in as life members. In addition to these, 15 old members have also become life members, making a total of 20 for the current year. This now gives the Society 272 life members.

Ind. Savings Bank	1,500.00
N. Y. Savings Bank	1,243.99
Ind. Ind. Bank	632.10
N. Y. Bank	580.73
	\$9,956.82

advocate of the city, a "spellbinder," whose eloquence has rarely been equalled in the society's history. Ballot resulted in a tie, ninety-seven for each city. A new ballot was taken at the afternoon session and amid much excitement Chicago was chosen receiving one hundred and forty-five to one hundred and forty-two.

Nomination of Officers.

The nomination of officers resulted as follows:

Presidents, R. Vincent, Jr. and John Farquhar.

Vice-Presidents, H. E. Philpott and August Poehlmann.

Secretaries, John Young and David Rust.

Treasurer, W. F. Kastling.

WEDNESDAY AFTERNOON'S SESSION.

At the afternoon session, William Duckham read a thoughtful paper on the Private Gardener. F. R. Pierson then read his final report as chairman of the National Flower Show Committee:

Report of National Flower Show Committee.

The second National Flower Show opened its doors to the public in Mechanics' Building, Boston, March 25, 1911, continuing until Sunday, April 2d. The formal opening took place on the evening of March 25th, on which occasion we were honored by the presence of Governor Foss of Massachusetts, Mayor Fitzgerald of Boston, Congressman Samuel McCall and others, who addressed the large and distinguished audience gathered in Paul Revere Hall, contributing greatly to the interest and eclat of the opening of the exhibition. The weather was unseasonably cold at the time of the opening, but in spite of this drawback, I think I can modestly say that no previous exhibition ever held in this country approached this one in its scope and magnificence. The large attendance of the trade from all over the country, at a busy season of the year, and especially the large local attendance, was most gratifying.

You are all aware of the success of this show from a horticultural standpoint, and I am sure you will be pleased to know that it was not only a horticultural success, but a financial success as well. The number of paid admissions 38,915 amounted to \$18,982.00. At the first national flower show the number of paid admissions was 29,790, amounting to \$17,791.00. This by way of comparison; although at the first show 75 cents was charged for admission, while at Boston 50 cents was considered the highest fee. It was practicable to charge, on account of the fact that the Massachusetts Horticultural Society had been in the habit of giving exceedingly fine shows practically free. The amount distributed for cash prizes was \$8,913.10; at Chicago, \$5,147.00 was paid out for premiums. The total receipts, including the amount received from the guarantors, was \$29,027.87, for which amount, after deducting all expenses and refunding to the guarantors the amount paid by them, there was left a gross profit of \$3,655.46.

We were most fortunate in securing the services of Chester I. Campbell as manager, who, because of his experi-

ence in carrying on large exhibitions, particularly in Boston, was able to effect many economies which otherwise would have been impossible, and who was a great aid to the efficient work of the committee. Mr. Campbell, according to the arrangement made with him, was to receive, in lieu of salary and office expenses in the preliminary work of organization, securing the trade exhibits, etc., a percentage from the rental of floor space, and, in addition, one-third of the gross profits, if any. In view of the uncertainty as to whether this show could be made a financial success, this was considered a very safe, conservative and advantageous arrangement, as it obviated incurring any large fixed charges, and practically made Mr. Campbell a partner in the enterprise. After paying Mr. Campbell one-third of the gross profits, according to the agreement, and returning to the guarantors a ten per cent. dividend, there was a net profit of \$1,450.97 remaining for the Society of American Florists and Ornamental Horticulturists.

The preliminary work of organization was mapped out by representatives from the Massachusetts Horticultural Society, the Gardeners' and Florists' Club, and the two Boston cut flower markets, in connection with the National Flower Show Committee. After the preliminary work of organization was in hand, on account of the immense amount of work involved in the work preparatory to so large an undertaking, and the fact that the members of the National Flower Show Committee were so widely separated, it was deemed wise to entrust the detail work to a small local executive committee. Accordingly, such committee was appointed, styled the Board of Control, consisting of John K. M. L. Farquhar, Thomas Roland, Patrick Welch, and E. Allan Peirce, with myself as chairman.

No one who has not had experience can realize the amount of work necessary to execute an undertaking of this magnitude; and I take this occasion to express my appreciation of the splendid services rendered by the gentlemen named, to whom, because of their indefatigable labor in connection with the show, from the very beginning to the end no little credit is due for the success of the exhibition. I shall long remember my pleasant association with them in carrying on the work, which was absolutely harmonious throughout. I wish also to state that the services of the Board of Control and of the National Flower Show Committee were given entirely gratuitously. No one received any remuneration in the way of salary, and each one paid his own traveling expenses, hotel bills, and all other expenses.

One of the most pleasing features of the show was the hearty co-operation of the various horticultural societies; and it was largely due to their co-operation that the show was the success that it proved to be. We had the united support of the American Carnation Society, the American Rose Society, the National Sweet Pea Society, the National Gladiolus Society, the National Association of Gardeners, the Massachusetts Horticultural Society, the Massachusetts State Board of Agriculture, the Gardeners' and Florists' Club of Boston and other allied horticultural interests in the vicinity of Boston.

In preparing the premium lists, the Carnation Society, the Rose Society, the Sweet Pea Society and the National Association of Gardeners were asked to prepare their own schedules. The care and thought with which these, as well as the general schedule, were prepared, is best evidenced by the fact that over eighty per cent. of the premiums offered were won. This gave each society control practically over its own particular interest, and tended to harmony and good-fellowship. It was the carrying out to a logical sequence the idea of home rule. It proved in a practical, logical way that it is not impossible to have all the auxiliary societies united in one harmonious whole; and I think that the getting together of the different societies in making one grand show has demonstrated the fact that in horticulture, as well as other matters, "In union there is strength."

Undoubtedly, it is impracticable to repeat these flower shows annually. A work of this magnitude involves so much labor and expense that a national flower show should probably be held not oftener than once in three years, and in different parts of the country, alternating between eastern and western cities. There is no doubt but the educational benefits derived from these shows are great. The attendance at Chicago and at Boston proves that the public is interested in horticulture. Our summer conventions do not meet this need; they are more particularly intended to carry on the work of the society and to promote its social and immediate business interests; whereas, a national flower show, held in the spring, and once in about every three years, can be made of particular interest to the general public and a great educational factor in horticulture.

I am glad that the success of this second National Flower Show has demonstrated to the Rose Society and the Carnation Society the advantages to be derived from a combined exhibition. The success of the Boston Spring Show has resulted in the Rose and Carnation Societies getting together to hold their next annual show in Detroit, and we hope that this work so well begun will be carried forward along these lines, as we believe it is a move in the right direction.

A very pleasing feature of the exhibition I must not omit to mention—was the presence of our English friends, who made it a point to time their visit at the time of the Flower Show, contributing much to the pleasure of the occasion.

We wish to acknowledge our indebtedness to the Gardeners' and Florists' Club and to the ladies of Boston for the cordiality of the hospitality extended by them. The trade exhibit was exceedingly large and comprehensive, and added no small part to the success of the general result, and the committee believes that those who attended found themselves well repaid for the expense and time involved. In addition to the cash prizes awarded, there was a large number of silver cups donated by many generous friends; also a number of S. A. F. and O. H. medals and certificates of merit. Besides these, the Massachusetts Horticultural Society, through its own committee, awarded numerous gold and silver medals in recognition of superior culture and

merit; and we wish to express to this society our appreciation of its liberality in this matter.

A summary of the report of the treasurer, E. Allan Peirce, follows:

Treasurer's Report.

RECEIPTS.

Guarantors fund.....	\$9,860.00
\$8,915 paid admissions.....	18,982.00
Spice sold.....	6,803.76
Programme advertising.....	1,820.89
American Rose Society.....	537.00
American Carnation Society.....	525.00
National Sweet Pea Society.....	134.25
Cash donations for Sweet Pea Prizes.....	75.00
National Association of Gardeners.....	105.00
Mass. State Board of Agriculture.....	50.00
Boston Flower Exchange.....	100.00
Interest.....	34.97
	\$39,027.87

DISBURSEMENTS.

Returned Guarantors Fund.....	\$9,860.00
Mechanics building rental.....	5,835.39
Commission on space.....	2,267.92
Advertising.....	2,337.45
Decorating equipments.....	1,340.66
Printing, stationery, etc.....	957.91
Insurance.....	160.00
Police and Detectives.....	197.50
Postage.....	122.91
Music.....	87.00
Salaries.....	357.00
Labor.....	1,308.89
Telephone.....	39.97
Freight, carting and express.....	29.94
General expenses.....	584.54
Programme expenses.....	1,062.23
Prizes awarded.....	8,013.10
	\$35,372.41

Gross profit..... **\$3,655.46**

DIVISION OF PROFITS.

C. I. Campbell, 1-3 as per contract.....	\$1,218.49
Guarantors 10% dividend.....	986.00
S. A. F. & O. H. net profit.....	1,450.97
	\$3,655.46

A unanimous vote of thanks was given the committee. It was voted, on recommendation of the committee, that profits from both national shows be added to the permanent fund.

Dr. S. A. Forbes then read his report as entomologist.

Mr. Farquhar's illustrated lecture, scheduled for Wednesday evening, was postponed until Thursday evening on account of a mistake in providing lantern equipment.

THURSDAY MORNING'S SESSION.

The chief business of the morning's session was balloting for officers which began at 11 A. M. and excited great interest and unusual activity on the part of the supporters of the various candidates.

Committee on Final Resolutions.

The committee on final resolutions, J. L. Campbell, F. H. Thompson and W. L. S. reported as follows:

Resolved, That the committee on final resolutions, J. L. Campbell, F. H. Thompson and W. L. S., be and is authorized to report as follows:

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Resolved, That the committee on final resolutions, J. L. Campbell, F. H. Thompson and W. L. S., be and is authorized to report as follows:

Advertising, W. J. Johnson; Hotels, F. C. Baur; Badges, James Hamilton; Decorating, J. L. Towner; Ladies' Reception, Mrs. Isaac H. Moss.

We also tender our heartfelt thanks to State Attorney Williams, the representative of his excellency Governor Crothers, and to his Honor Mayor Preston.

We further desire to place on record an appreciation of the various supply houses who made attractive displays at the convention and sent their representatives here.

Also to the advertisers in the souvenir program and the daily and technical press for reports of our meeting. We note with pleasure the rather unusual feature of the general display of banners and other decorations of welcome throughout the CITY OF BALTIMORE.

ELECTION OF OFFICERS.

Total vote, 385.

President, R. Vincent, Jr., 215; J. K. M. L. Farquhar, 170.

Vice-President, August Poehlmann, 217; H. E. Philpott, 167.



JOHN YOUNG
Secretary-Elect.

Secretary, John Young, 228; David Rust, 155.

Treasurer, Wm. F. Kasting, 355.

Change of date for conventions was defeated.

THE RING.

"The great American citizenship who stay at home on election days and then kick at the choice made at the polls are duplicated by the bunch in fraternal organizations who hug the hot fire-place on cold nights and growl at the ring."

Did you ever stop to figure what growl at 'the ring'?

The men who do the work, who visit the ring, who are the ground town on committees, who arrange the stunts to split your sides with laughter, who dig down deep when occasion demands it, and who always ready for help, either mental, physical or financial.

That's the ring more power to them.

And if you are one of the men who do the work, who visit the ring, who are the ground town on committees, who arrange the stunts to split your sides with laughter, who dig down deep when occasion demands it, and who always ready for help, either mental, physical or financial.

You're not tongue-tied, and you have the privilege of howling, but unless you're willing to get on the band wagon and do your share of the pushing, don't yell at the ones who are."—*The Crescent.*

ANNUAL MEETING OF THE LADIES' S. A. F.

The annual meeting of the L. S. A. F. was held at the Hotel Belvedere in Baltimore, Md., on August 16, 1911. Meeting was called to order by the President, Mrs. J. V. Phillips of N. Y. A pleasant address of welcome was given by Mrs. R. Vincent, Jr., of White Marsh, Md. Response was made by Mrs. B. Hammond Tracy of Wenham, Mass. A short address of welcome was then given by the president.

The official minutes were read and approved. The yearly record showed that there were 273 members on roll. The treasurer's report was as follows:

Total receipts.....	\$629.72
Total expenditures.....	341.01

Balance \$288.71

Nomination of officers then took place.

For President, Mrs. E. V. Boone, Md., 30 votes; Mrs. Julius Roehrs, Jr., N. J., 27 votes. For 1st Vice-President, Mrs. R. Wittman of West Hoboken, N. J., was the only nominee, and therefore received it. For 2nd Vice-President, Miss Perle B. Fulmer of Des Moines, Iowa, being the only nominee, received it. For Treasurer, Mrs. A. M. Herr, of Lancaster, Pa., as the only nominee, received the office. For Secretary, Mrs. Chas. H. Maynard, of Detroit, Mich., as the only nominee, received the office.

The meeting adjourned after the new President took the chair, at 11.45 A. M.

JOINT MEETING.

The joint meeting of Rose, Carnation and Sweet Pea Societies considered the question of a union meeting and exhibition next year at Detroit. It was a long and very lively meeting. The Carnation Societies stood out for January, and others favored March, but the Carnation people carried their point, and January tenth was finally chosen.

FLORISTS' HAIL ASSOCIATION.

The Florists' Hail Association at their annual meeting re-elected old officers. H. H. Ritter was elected Director for two years.

LADIES' BOWLING.

At the ladies' bowling match Thursday forenoon Mrs. Frank Traendly won the seventy-five dollar silver cup.

TWO FINE GLADIOLUS NOVELTIES.

We have had the pleasure of testing out the qualities of Frank Banning's two gladiolus novelties, Niagara and Panama. Niagara is a wonderfully lustrous white and canary flower, round as a globe, with a bit of pink touching in the throat. It is a good traveller and the Boston trade like it. Panama is said to be a seedling from America. It has much of the character of its illustrious parent but the color is clearer, more of the pure, pleasing pink and less of the magenta tint.

The Lenox (Mass.) Horticultural Society has voted to omit its show of annual and perennial flowers this year on account of the unfavorable season.

THE EXHIBITION

Baltimore certainly gave the S. A. F., as promised, the most excellent hall ever provided for their annual convention. The vast floor space at their disposal permitted a very effective and systematic arrangement of the tables, with abundant room to spare for aisles, etc., which was greatly appreciated by both the exhibitors and the visitors. All departments were well filled. Space will permit of but brief mention at present.

Isaac H. Moss, Gwynnstown, Md., clean well grown hardy centers.

Boblink & Atkins, Rutherford, N. J., large group of hardy evergreens, palms and ferns.

Henry A. Dreer, Philadelphia, Pa., kentias, araucarias, ferns and general decorative plant stock; flowers of double fringed petunia and gladioli; bulbs and garden sundries.

Joseph A. Manda, W. Orange, N. J., newly imported cattleyas.

Fred Lapp, Rossville, Pa., cannas.

Vaughan's Seed Store, display of bulbs and garden sundries.

J. H. Petersen, Cincinnati, O., pandanus and ferns.

Knight & Struck, New York, hard wooded plants.

J. C. Harrison & Sons, Bethel, Md., evergreen and deciduous shrubs, fruit of new peach tree.

Laker & Burrell, Summit, N. J., group of orchids in flower and fresh potted cattleyas.

Conard & Jones Co., West Grove, Pa., shrubs and cannas.

H. Eichholz, Waynesboro, Pa., carnation Christmas cheer.

Carrillo & Baldwin, Mamaroneck, N. Y., begonias.

Julius Roehrs Co., Rutherford, N. J., kentias, bays and crotons.

Chas. Eble, New Orleans, La., Phoenix Roebelin.

Joseph Henock Co., Wyncote, Pa., kentias and ferns.

Storrs & Harrison Co., Painesville, O., decorative plants in variety.

Jackson & Perkins Co., Newark, N. Y., general nursery stock.

W. A. Manda, So. Orange, N. J., ever greens, ferns, orchids, anthuriums, etc.

Jacob Thoman & Sons, pure white seedling gladioli.

F. R. Pierson Co., Tarrytown, N. Y., very fine and extensive collection of all the types of Nephrolepis and a general line of forcing bulbs.

Aplene Mfg. Co., Madison, N. J., Aplene and Euphonia.

Griffith & Turner Co., Baltimore, seeds, men's sundries, seeds and implements.

Lemon Oil Co., insecticide.

H. F. Mitchell Co., Philadelphia, Pa., seeds, men's sundries, bulbs and implements; a very large display.

Robert Craig Co., Philadelphia, Pa., magnificent display of crotons, palms, begonias, cyclamen, etc. This collection contained 64 new seedling crotons.

Hubert Bulb Co., American grown forcing bulbs.

R. Vincent, Jr. & Sons Co., White Marsh, Md., display of hardy garden flowers.

J. B. Hutchinson, Haddonfield, N. J., table of new gladioli grown for W. Holm Pfitzer, Stuttgart, Germany.

C. Keur & Sons, Hillegom, Holland, Dutch bulbs.

Stump & Walter Co., New York, forcing bulbs and sundries.

R. Hammond Tracy, Wenham, Mass., display of gladioli.

Arthur Cowee, Berlin, N. Y., beautiful display of gladioli.

John Lewis Childs, Floral Park, N. Y., superb collection of named gladioli.

Elliotting and Leeverts squamiger.

S. S. Pennock-Meehan Co., Phila., ribbons in great variety, corsage pins, etc., a splendid display.

Cleveland Florists' Exchange, Cleveland, O., artificial flowers.

M. Adler, New York, pins.

Reed & Keller, New York, florists' supplies, wire designs, etc., a very large display.

M. Rice & Co., Phila., Pa., supplies to florists' supplies.

Wm. J. Reis & Co., Phila., folding paper boxes.

Non Breakable Flower Vase Co., Washington, D. C., flower vases.

S. A. Wede, decorated pottery.

Lion & Co., New York, florists' ribbons.

H. Bayersdofer & Co., Phila., florists' requisites, imported china, wire, preserved flowers and foliage, a very extensive exhibit.

L. P. Lord, Minneapolis, Minn., frost-proof plant boxes.

Jos. G. Neddinger, Phila., florist supplies, artificial flowers, etc.

Williams Florist Supply House, Utica, N. Y., "Easiy" Carnation Tie.

Schloss Bros., New York, ribbon novel ties, chignons, etc.

Rossville Pottery Co., Zanesville, O., jardineres and decorated pottery.

F. B. Crosby, Catonsville, Md., paper pots for vegetable plant starters.

W. H. Elverson Pottery Co., New Brighton, Pa., standard flower pots, greatly varied assortment, neatly arranged.

J. Bolzano & Son, Baltimore, general assortment, tools, seeds, etc., seed separating machinery.

Thomson Chemical Co., Baltimore, remedies for fungous diseases; large case of the photographic transparencies.

A. H. Hews & Co., North Cambridge, Mass., flower pots in variety.

Jones, The Holly Wreath Man, Milton Del., laurel and magnolia foliage, etc.

Shaw Fern Co., Pittsfield, Mass., hardy ferns.

Quaker City Machine Co., Richmond, Ind., ventilating apparatus.

Plant & Land Food Co., compost mixing machine.

W. H. Elverson Pottery Co., New Brighton, Pa., lawn vases and greenhouse pots.

Wilmer Cape & Co., flower pots.

O. F. Zurn Co., Phila., "Shadevine".

McIntosh Publishing Service, Harrisburg, Pa., north natural literature, etc.

A. T. De la Mare Printing & Publishing Co., New York, horticultural literature.

Means & Thatcher, Boston, paint and putty.

Revere Rubber Co., Boston, rubber hose, spray nozzles, etc.

Lord & Burdham Co., New York, sectional boilers and model of greenhouse.

F. S. Radiator Corporation, greenhouse boilers.

Hitchings & Co., New York, sectional boilers and greenhouse fittings.

American Blower Co., "Detroit" Return Trap.

Krieschell Bros. Co., Chicago, hot water boiler, piping, shaking and dumping grate.

Foley Manufacturing Co., Chicago, section of greenhouse structure and ventilating apparatus.

American Auxiliary Heating Co., Boston, Castle Automatic Circulator.

Morehead Mfg. Co., Detroit, condenser traps.

King Construction Co., No. Tonawanda, N. Y., photographs of King greenhouses.

John B. Adt, Peerless boilers.

John C. Moninger & Co., Chicago, greenhouse building material.

Wm. Moll, Ideal Tilting Return Steam Trap and Bate Evaporators.

Lemuel Ball, Wisconsining, Phila., kentias.

Chas. D. Ball, Holmesburg, Phila., palms.

Report of Judges on Novelties.

Werthelmer Bros., Werbro, Corsage Shields and Corsagettes; honorable mention. Celestial funeral ribbons, hollyberry chiffon and novelty Christmas ribbons; highly commended.

Schloss Bros., Waterproof stem protectors; honorable mention. Satin rose and clover leaf Jacquard ribbons; highly commended.

M. Rice & Co., Philadelphia. Prepared vases, leaves, new process; honorable mention.

H. Bayersdofer & Co., Wheat sheaves, new styles for display of flowers with stems in water; honorable mention. Minor basket; honorable mention. Ornamental grasses for fern dishes and wreaths; honorable mention.

Fred Lapp, Rossville, Md., Seedling canna; honorable mention.

Lyon & Co., folding wire pedestals; highly commended; featherweight phlox corsage shield, honorable mention.

Robert Craig Co., sixty-three seedling crotons, honorable mention.

Ed Amerpohl, handy delivery box, highly commended.

George M. Garland Co., improved lock joint and post socket and drip conductor; honorable mention.

AMERICAN GLADIOLUS SOCIETY.

The American Gladiolus Society met and re-elected the old officers. They passed a vote of thanks to the S. A. F. for use of meeting place, and to the trade papers for publicity, and to Prof. Beal for services rendered. A lecture was delivered by Prof. Whetzel on Gladiolus Diseases.

List of prizes and awards:

Open Class.

No. 1, Henry F. Mitchell Co., Silver cup for the best 25 spikes of new gladiolus "Kunderd" "Glory" exhibited in one vase. John W. Pepper, gardener W. Robinson, Jenkinstown, Pa.

No. 2, M. Crawford, 50 bulbs of Gladiolus "White Lady" for the best 6 spikes of any white variety. Jacob Thoman & Son, Rochester, N. Y.

No. 3, Peter Henderson & Co., \$10 for the best 10 varieties not now on the market; 3 spikes each. J. W. Koerner, Milwaukee, Wis.

No. 4, W. Atlee Burpee, \$10 for the best collection of 10 varieties; 6 spikes each. John Lewis Childs, Floral Park.

No. 5, E. E. Stewart, \$5 for the best vase of 12 spikes Gladiolus "Golden Queen". R. Hammond Tracy, Wenham, Mass.

No. 6, B. F. White, \$5 for the best vase of new seedlings, not less than 25 varieties, never before exhibited. H. W. Koerner, Milwaukee, Wis.

No. 7, E. H. Cushman, \$5 for the best vase of 25 spikes of one white variety. Jacob Thoman & Son, Rochester, N. Y.

No. 8, A. T. Boddington, \$5 for the best of any named yellow variety. John Lewis Childs.

No. 9, John Lewis Childs, \$10 for the best collection of Childs' varieties; 3 spikes each.

No. 10, The Gardeners' Chronicle, Challenge cup for the exhibit containing the largest number of standard named varieties, correctly labeled. John Lewis Childs.

No. 11, Stump & Walter Co., \$10 for the best collection of 15 varieties; 3 spikes each. John Lewis Childs.

No. 12, N. L. Crawford, \$5 for the best centerpiece for dining table. Mrs. B. Hammond Tracy, Wenham, Mass.

No. 13, Frank Banning, \$10 for the best vase of Gladiolus "Niagara"; 3 or more spikes. R. Hammond Tracy.

No. 14, H. H. Groff, \$10 for the best exhibit of Gladioli in white and light, dark blue and yellow hybrids; not more than 10 spikes of each variety and not less than one vase of each color section. H. W. Koerner.

No. 15, R. W. & Graiz, \$12 for best 100 spikes Gladiolus "Augusta"; \$8, 2d; \$5, 3d. R. Hammond Tracy.

No. 16, A. E. Kunderd, \$10 and 100 bulbs of Gladiolus Kunderd "Glory" for the best display of above variety. J. W. Pepper, gardener W. Robinson, Jenkinstown, Pa.

No. 17, A. E. Kunderd, 100 bulbs of Kunderd "Glory" for the best vase of 20 spikes of above variety; 50 bulbs for 2d best vase. Vaughan's Seed Store.

Amateur Class.

No. 1, Montague Chamberlain, Silver cup for the best 6 named varieties; 1 spike each. T. A. Havemeyer, gardener Albert Lahodny, Glen Head, L. I., N. Y.

No. 2, John Lewis Childs, \$5 for the best vase of Gladiolus "America" not less than 12 spikes. T. A. Havemeyer, gardener Albert Lahodny, Glen Head, L. I., N. Y.

No. 3, A. T. Boddington, \$5 for the best collection of yellow named varieties. Albert Lahodny, Glen Head, L. I., N. Y.

No. 4, A. T. Boddington, \$5 for the best collection of yellow named varieties. Albert Lahodny, Glen Head, L. I., N. Y.

No. 5, J. M. Thorburn & Co., Silver cup for the best collection of Primulins type. T. A. Havemeyer, gardener Albert Lahodny, Glen Head, L. I., N. Y.

No. 6, A. E. Kunderd, 100 bulbs of Kunderd "Glory" for the best vase of above variety; 50 bulbs of Kunderd "Glory" for 2d best vase. T. A. Havemeyer, gardener Albert Lahodny, Glen Head, L. I., N. Y.

No. 7, Arthur Cowee, \$5 for the best vase of 10 spikes each of a yellow named variety. T. A. Havemeyer, gardener Albert Lahodny, Glen Head, L. I., N. Y.

No. 8, Arthur Cowee, \$5 for the best vase of 10 spikes each of a red variety. T. A. Havemeyer, gardener Albert Lahodny, Glen Head, L. I., N. Y.

No. 9, Arthur Cowee, \$5 for the best vase of 10 spikes each of a pink variety. T. A. Havemeyer, gardener Albert Lahodny, Glen Head, L. I., N. Y.

REPORT ON SCHOOL GARDENING BY THE S. A. F. COMMITTEE.

At the Annual Convention of the Society of American Florists held in the city of Washington, August 18th, 1892, that is nineteen years ago, Mr. Robert Farquhar of Boston read a paper on "Floriculture for Children," as a means of increasing and diffusing a knowledge of flowers. He stated, at that time, "I think the members of this society should make a united effort to have the claims of Floriculture and all kindred subjects for children recognized in all public schools. I feel sure that a large majority of the teachers would give their hearty support to wisely planned efforts in this direction." A broader or better suggestion is seldom made than was this. Since that time, the School Garden idea has become national. Last year your committee made an exhaustive examination as to what was being done in this direction in the various states of the American Union, and made a report in some detail.

When the committee was reappointed, the work of School Gardening was known to be so extensive that just what the committee could accomplish was not clear, but a special suggestive circular was issued and sent far and wide over the country and the various responses that came back would be, in volume, beyond limit to reproduce.

As a sample of what this important work is accomplishing we may give a few examples. First, the greatest attention and the most extensive advertising of the movement is being done in the large cities, but in the smaller towns comparatively little is being done. Various states are giving pre-eminence to instruction in Primary Agricultural knowledge, notably New York state, who now requires of each of the School Commissioners to be able to pass an examination which covers a fundamental knowledge of Agriculture.

In New Jersey, particularly in the region of Orange, the work of developing the instinct of cultivation is carried on most admirably. In that suburban district to the city of New York, the neatness and beauty attached to so many homes is such that it may be accepted as a model for many another district of the same general character. At Hastings, Mich., a little town of about 3500 people, much interest is taken in this work, many waste places having been made beautiful and attractive, and many a home has been improved by the work done there. Last year one little girl raised 160 heads of cabbage from a package of seeds costing a penny. In Worcester, Mass., great work has been done along this line, and William D. Ross, the seedsman of that city, was one of the pioneers in starting School Gardens, and for several years gave away seeds absolutely free, and this started a movement that has borne rich results.

At Lancaster, Pa., the florists there deserve much credit for helping along the movement. Twenty thousand shade trees were recently given out to the school children and most of them were planted. Such work as this is what makes the city beautiful. At Amherst, Mass., a novel illustration of object teaching was done by Dr. Beales, Prof. Emeritus of the Michigan Agricultural College, who started as a part of the School Garden a weed garden patch, so that the children

could learn to distinguish destructive and undesirable vegetation. In Buffalo, our friend, Prof. Cowell, has in many a way urged and helped along the work. Buffalo is a city where so many people enjoy a bit of ground with their homes that the work there has telling effect, and the Superintendent of Public Schools, writing to Mr. Kasting, recently said: "I wish to assure you of my interest in the matter and my desire to confer further with you relative to its advancement." In a crowded city like New York window boxes play a most important part of instruction. Cedar Rapids, that thrifty city of Iowa, is where the necessity for systematic training in School Garden work is not yet fully appreciated, although our friends, Messrs. I. N. Kramer & Son, florists, have done their best to start up the work. Cleveland has probably done more systematic work in teaching children gardening than any other place, and the Home Garden Association of that city, because of its untiring work gives a constant impetus, for from "School Gardening" it is only a step to "Home Gardening" and this is the achievement to be desired:

"To make the waste places of the city beautiful and useful.

"To give knowledge of gardening for pleasure and profit.

"To train city children in the cultivation of the soil.

"To draw attention to the importance of work on the land."

In all this work how far it is best to go in providing tools and all seeds free is a question. It is doubtful if you cannot go too far in public distribution of seeds. The idea that the government is going to furnish everything is not a wise course to develop true independence of character.

The United States Government has given attention to this study, and the Bulletins that have been issued, particularly one by Mr. L. C. Corbett, Horticulturist of the Bureau of Plant Industry is one of great value to a teacher, because children usually are not originators; they are followers, and the teacher must know, to be successful, how to be able to do things, and this Bulletin, the "School Garden," is particularly well fitted for that purpose. Miss Susan C. Sipe, who delivered before the convention of the S. A. F. when held in Washington an interesting talk upon this subject, has prepared a descriptive pamphlet which is issued by the Office of Experiment Stations in Washington, upon School Gardening and Nature Study in English Schools, with illustrations, and surely it would seem that England is the land of the "Home Garden." Our friend, Dick J. Crosby of the Agricultural Department, has also sent out a Bulletin known as "Farmers' Bulletin 408." There is not a rural school teacher, but what may read that Bulletin to the utmost advantage. Prof. Galloway, Chief of the Bureau of Plant Industry, lends a hand upon School Gardens in general, and in his excellent pamphlet issued in 1905, entitled "School Gardens," covers the ways of getting at this work that is exceedingly instructive.

In the city of Poughkeepsie, N. Y., Principal William L. Wildy says: "I am directing the work for the Poughkeepsie Garden School in Eastman's Park. We have 200 children making gardens there now. This is the third year for the garden. I am also direct-

ing the work for the School Garden Association of New York City. We have under way five gardens in connection with the public schools. They are known as "Model Gardens." With these five gardens we have about 200 children interested in the work. I find them very good workers and expect to have very good gardens there."

At Fishkill-on-Hudson, N. Y., the academic pupils mapped out and named the trees and shrubs growing upon the grounds to the number of 94, as the result of the botanical work and instruction which they received in the school, and in this same school district the present year there are 111 children, ranging from 8 years to 17, who are members of the "Home Garden Brigade." This work wherever it is carried on results in improving the streets.

In Springfield, Ohio, we find that Christian Binnig and John M. Good, representing the Springfield Florists' Club, presented to the members of the Board of Education a plan to beautify the yards around the public school buildings and they took hold of the work there with much earnestness. Here is a point that we wish to dwell upon. There is listed in the Florists' Directory as many as 6000 florists scattered through the United States, aside from the nurserymen. The work that is possible to be done by these men in each of their towns is very considerable and in any effort for public improvement it never rests simply with the man who has large means, but local florists can do just as these people at Springfield have done, make the suggestion to their local Board of Trustees, and very few but what would see beneficial results from their efforts.

This work is now almost world wide among the leading people. In Ceylon, the Royal Botanical Gardens in their reports state: "The School Garden introduced into Ceylon about ten years ago has come to stay. Every year more and more schools are taking up this line of work and there are not wanting indications that before long most schools will have School Gardens attached to them." In Austria over 4000 gardens are cultivated in connection with the Austrian schools, the pupils receiving there expert tuition in Horticulture.

In Scotland, the prize garden is said to be at Drumwhindle, and the finest in Great Britain. The garden measures one-quarter of an acre, and is enclosed on two sides by the school play grounds. At the two corners of the garden are neatly constructed rookeries. In the first border all the plants growing therein were prominently named by signs of white letters on a piece of grain stained wood. Around the walls were roses, apples, plums and cherries. The work in this garden was confined chiefly to the pupils over twelve years of age. This garden is so well kept up that it is almost a museum of itself, but the work is done by the children.

To show the extent of this School Garden work in further detail would be tiresome for the work goes on throughout the United States, but enough has been said to illustrate the importance given to this subject from a practical economic view.

Benjamin Hammond, chairman; C. B. Whitnall, Milwaukee, Wis., Michael Barker, Chicago, Ill., Wm. R. Smith, Washington, D. C., C. L. Seybold, Baltimore, Md.

THE FLORISTS' HALL ASSOCIATION OF AMERICA.

Secretary's Report for Year Ending August 1st, 1911.

The insurance on glass effective at present date, in The Florists' Hall Association, Sub-divided by States, is stated below.

	Single thick glass.	Double thick glass.	Single thick glass. Extra one-half.	Double thick glass. Extra one-half.	Single thick glass. Extra whole.	Double thick glass. Extra whole.	Losses paid Aug. 1, 1910 to Aug. 1, 1911
Arkansas	6,300	7,760					
Colorado	500,839	694,396	149,465	88,860	299,448	462,632	
Connecticut	4,000	119,459		43,986		2,100	
Delaware	110,527	11,597				4,200	
Florida	24,150	72,050					
Georgia	28,638	30,442					
Illinois	285,154	3,287,861	83,568	443,992	78,305	686,412	\$782.66
Indiana	291,353	1,567,330	51,477	325,516	92,538	166,467	161.30
Iowa	346,291	1,268,571	21,439	479,263	93,123	265,500	1,678.00
Idaho	9,705						
Kansas	558,793	693,429	55,680	55,086	310,286	405,660	4,820.83
Kentucky	83,919	180,850	1,500	2,000	26,396	33,980	
Maine	3,724	44,429	1,000	3,000	1,100		
Maryland	158,475	91,993	10,205	3,328	8,900	21,758	1,036.38
Massachusetts ..	6,350	169,110	1,100	20,000			
Michigan	130,039	899,391	4,312	179,282	11,424	129,740	48.02
Minnesota	99,558	1,153,532	6,290	51,391	36,581	659,090	3.20
Missouri	875,888	1,381,792	122,588	201,239	470,221	776,448	16,801.46
Montana	128,800	19,456			2,800	2,556	
Nebraska	361,888	253,967	129,414	62,709	107,892	106,840	35.09
New Hampshire ..	900	36,270					
South Dakota	44,545	52,764		1,920	35,435	27,969	1,050.67
North Dakota	1,492	44,915	1,492	8,725		26,050	
New Jersey	49,294	1,298,025		201,958		25,006	12.67
North Carolina ..	11,715	39,782				5,238	
South Carolina ..	2,400	12,400					
New Mexico	4,768	29,830				17,630	
New York	123,560	707,045	750	33,730	2,400	33,080	
Ohio	652,850	2,451,130	95,376	416,030	58,772	399,805	617.95
Oklahoma	94,678	83,924	2,240	13,608	83,564	51,096	1,511.69
Pennsylvania	416,802	3,041,781	68,224	278,627	30,030	769,450	693.21
Rhode Island	400	12,097	400	985		9,950	
Tennessee	11,300						
Texas	129,113	369,189		11,978	26,118	63,245	
Virginia	46,027	121,992			1,982	28,513	1,407.32
West Virginia	5,440	21,200					
Wisconsin	84,657	458,455	6,839	4,450	9,250	19,195	
Washington	12,910						
Wyoming	15,336				7,000		
Dist. Columbia ..	7,744	71,576			4,220	71,576	
Canada	6,268	148,542	2,762		2,506	52,142	
	5,737,588	20,928,332	816,121	2,931,663	1,800,291	5,323,328	\$30,660.45

The above is equivalent to an insurance upon 35,663,440 square feet of glass. The total receipts for the year ending Aug. 1, 1911, and including last year's balance, as per Treasurer's report, have been \$53,378.87. The total expenditures, as per Treasurer's report have been \$43,132.08. The cash balance on hand is \$10,246.79, of which \$8,700.60 belongs to the Emergency Fund and \$1,546.19 to the Reserve Fund. The Reserve Fund now amounts to \$26,046.19, of which \$24,500 is invested in excellent securities and \$1,546.19 cash in hands of the Treasurer. The amount of interest collected on Reserve Fund investments for the year is \$1,035.00. The amount of interest collected on bank deposits for the year has been \$181.13. Losses representing a breakage of 219,231 square feet of single thick glass and 144,395 square feet of double thick glass, have been paid during the year. 1,650 losses have been adjusted since the organization of the F. H. A., involving a total expenditure of more than \$217,000.00.

Summary of Treasurer's Report.

Dr.	
To balance on hand August 1, 1910.....	\$1,545.45
To total receipts for year ending August 1, 1911.....	51,793.42
	\$53,378.87
Cr.	
By losses paid August 1, 1910 to August 1, 1911.....	\$30,661.24
By expenses	3,470.84
By investments	3,000.00
Miscellaneous	6,000.00
By balance on hand.....	10,246.79
	\$53,378.87

Signed, JOSEPH HEACOCK, Treasurer.

I have this day compared the accounts of Secretary and Treasurer of the Florists' Hall Association and found them to be correct, and the securities belonging to the reserve fund are intact and are deposited with the Jenkintown National Bank.

ALBERT M. HERR, Auditing Director

ST. LOUIS NOTES.

Charlie Schoenle and Geo. H. Angermueller have been spending a week fishing.

J. M. Nichols, president of the St. Louis Seed Co., is up north with his family for the summer.

Fred W. Pape, on South Pennsylvania avenue, has a new touring car and will take it with him on his vacation trip this month.

A. T. Grirsa, late of the Tinsley Seed Co., will leave soon to take

charge of the seed department of the Nebraska Seed Co. at Omaha.

President-elect Windler, W. C. Smith and J. J. Beneke have charge of the Chicago trip of the Club for October 5. Quite a large number will make the trip.

Henry C. Ostertag, of the firm of Ostertag Bros., was severely bitten by a dog last week. The bite was considered serious, but he is now on the road to recovery.

Guy M. Reyburn, of A. Henderson

The number of members is 1,616. The only liabilities of The Association are a few small losses which are unadjusted. The following table shows losses reported to the Secretary for the past twenty-four years and number of claims paid.

STATES.

	No. of hallstorms from June 1, 1887, to Aug. 1, 1911.	No. of losses paid from June 1, 1887, to Aug. 1, 1911.	No. of hallstorms during year ending Aug. 1, 1911.	No. of losses paid during year ending Aug. 1, 1911.
Alabama	3	1	1	
California	1			
Maine	3			
Vermont	3			
New Hampshire ..	7	1		
Rhode Island	4			
Connecticut	10	1		
Massachusetts	13		1	
Florida				
New York	109	19		
New Jersey	85	11	5	1
Pennsylvania	100	83	6	8
Delaware	4	1		
Ohio	108	103	4	7
Indiana	62	60	2	3
Illinois	134	128	7	8
Michigan	33	17	4	3
Wisconsin	36	37		
Minnesota	56	64	2	1
Iowa	124	182	7	12
Missouri	120	238	7	50
Kansas	148	255	7	19
Nebraska	72	40	3	3
Arkansas	4	1		
Colorado	66	155		
North Dakota	7	2		
South Dakota	24	27	2	4
Montana	3	2		
Wyoming	5	6		
Maryland	20	11	1	2
Virginia	7	4	1	1
West Virginia	12	4		
North Carolina	6	3		
Kentucky	19	14		
Tennessee	6	1		
Georgia	6			
Texas	35	30		
Louisiana	3			
Mississippi	2			
Oklahoma	27	29	2	6
District of Columbia ..	5		1	
Canada	5	5		
New Mexico	7	7		
South Carolina	1			

The feature of the year was a gigantic hallstorm which was destructive from Webster Grove, Mo., to Edwardsville, Ill., and which damaged greenhouse structures over a space of three miles wide by forty miles long.

Baltimore, Md., and Staunton, Va., were also visited by storms of exceptional severity.

Notwithstanding the levy of two Assessments during the past year the increase in amount of glass insured is about 1,000,000 sq. ft. over last year's report.

JOHN G. ESLER, Secretary.

& Co., Chicago, and H. Rowoldt, of Kyle & Foerster, Chicago, were visitors last week, the former on a business trip and the latter on his way south for a vacation.

The Apple Growers will meet in St. Louis this month, 22-23. At a meeting of the executive board which met last week at the Planters Hotel, a program which will be quite interesting was mapped out.

The new building being erected for C. C. Sanders at 623 Clara avenue, was nearly completed when it collapsed on Wednesday and killed a workman. Mr. Sanders says the loss will fall on the contractor, but it will put them back two months.

The Edgebrook Greenhouses and Nurseries

THE GEO. WITTBOLD CO.

Cordially invite all Florists interested in

Fine Ferns, Palms, and Nursery Stock

Also all other seasonable stock to stop over and visit our place at EDGEBROOK, CHICAGO, ILL.

Chicago, Milwaukee and St. Paul Railway



Look at this Time Card and make your Plans to come.	Week day trains from Chicago to Edgebrook		Week day trains from Edgebrook to Chicago		Sunday Trains Chicago to Edgebrook		Sunday Trains Edgebrook to Chicago	
	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.
	6.55	12.40	6.16	1.10	6.55	12.40	7.39	1.14
	9.20	1.55	7.03	3.27	9.20	1.55	9.08	3.44
		3.05	7.39	3.44		3.05	10.39	5.44
		5.00	9.08	5.44		5.00		7.08
		5.20		7.08		5.35		10.44
		5.35		10.44		6.03		
		6.03				8.45		
		6.42				11.30		
		8.45						
		11.30						

12 miles from Union Depot.

'Phone us and
we will meet
any train at
Edgebrook
Station.
'Phone Sunny-
side 124.

We now have 80 acres of Nurseries and 70,000 square feet of glass at Edgebrook which is well stocked with a full line of seasonable plants.

CLUBS AND SOCIETIES

ST. LOUIS FLORIST CLUB.

The St. Louis Florist Club held an interesting meeting on Thursday afternoon last week, this being the meeting when the yearly election of officers takes place. The attendance was not as good as expected for this occasion. The president not being present, Vice-President Frank Weber filled the chair.

The election of officers for the ensuing year being in order, there was only one nominee for president, Robert J. Windler, and his election was made unanimous; for vice-president there were two candidates, F. Venne-mann and C. E. DeWeber. Mr. Venne-mann was elected on the first ballot. For the offices of secretary and treasurer Messrs. Beneke and Smith had no opposition and were the unanimous choice of the members. J. F. Ammann and F. A. Weber were the candidates for a three term trustee, and after several ballots Mr. Weber was elected. For the one year term W. C. Young and C. C. Sanders were the candidates and W. C. Young was elected. The above set of officers should prove a hustling crew and pilot the good ship through a successful year.

A communication was read from the Chicago Florists' Club inviting the club members to meet with them on Thursday, October 5th, which was accepted and quite a few expressed themselves as wishing to make the trip. State Vice-President Weber of

the S. A. F., made a neat talk telling the members all about the Baltimore trip. The trustees were given a vote of thanks for the successful outing they gave the members last month. The meeting then adjourned.

CHICAGO FLORISTS' CLUB.

As usual this summer the attendance was good and two visitors C. C. Poll-worth of Milwaukee and C. De Weber of St. Louis were present and the former elected to membership, regular rules being suspended for that purpose.

Report of the picnic committee was made by its chairman A. Zeck. Fifty dollars was appropriated by the club toward the Baltimore expenses of the bowling team which consists of Geo. Asmus, John Zeck, C. W. McKellar, W. Wolf and P. Olsem.

It was voted to extend invitations to the Detroit Florists' Club and the Milwaukee Florists' Club to visit the Chicago Club Oct. 5, when Elmer D. Smith will read a paper on chrysanthemums. A chrysanthemum show will also be held at the November meeting and an invitation sent to the Chrysanthemum Society of America to appoint the judges. A vase of Gladiolus Kunderdi Glory was exhibited by Walter Scott of La Grange, Ill.

RAILWAY GARDENING ASSOCIATION.

The fifth annual meeting of this association is being held this week at

Chicago. Headquarters, Kaiserhof Hotel.

President, Patrick Foy, Norfolk & Western R. R., 61 Fourth avenue, N. E. Roanoke, Va.

Vice-President, J. E. Smith, Pennsylvania R. R., Ridley Park, Pa.

Secretary and Treasurer, J. S. Butterfield, Missouri Pacific-Iron Mountain R. R., Lee's Summit, Mo.

Executive Committee: A. V. Smith, Pennsylvania R. R., Ridley Park, Pa.; F. W. Vail, Central of New Jersey R. R., Dunellen, N. J.; H. A. Bode, Illinois Central R. R., Champaign, Ill.

The following program has been received:

Tuesday, August 15, 10.00 A. M., Words of Welcome, Michael Barker. Reports of officers. Papers will be read as follows: "Uniformity in Railroad Gardening and How to Bring It About," E. A. Richardson, Boston & Albany R. R.; "Interesting Railroads in Beautifying Their Station Grounds," N. S. Dunlop, Canadian Pacific R. R.; "Fences, Including Hedges; Where to Use; Material, Maintenance," etc., Joseph Carson, Pennsylvania R. R.

1.30 P. M. to 5.00 P. M., Inspection Tour of Chicago Parks. 8.00 P. M., papers will be read as follows: "Sodding and Seeding Lawns, Comparative Value, Best Time to Do It, Material," R. J. Rice, Michigan Central R. R.; "The Gardener's Jurisdiction: How Far Beyond the Park Fence Should It Extend?" R. W. Hutchinson, Pennsylvania R. R.; "How Best to Prevent Stock from Trespassing on Our Grounds," C. W. Elching, Queen & Crescent R. R.

Wednesday, August 16, 10.00 A. M., "Hardy Herbaceous Perennials in Landscape Work," W. H. Waite, Western Springs, Ill.; "Plants for Permanent Effect, Extent of Their Use, Varieties," Geo. E. Kessler, St. Louis & San Francisco R. R.; "Should Railroad Companies Purchase or Grow Their Stock?" F. W. Vail, Central of New Jersey R. R.; "Treating Cuts and Banks to Prevent Washing and Sliding," H. S. Moulder, Illinois Central R. R.; "Fertilizers," J. A. Byrne, Baltimore & Ohio R. R.; "Maintaining Parks During Drought," J. E. Smith, Pennsylvania R. R. Open dis-

Dreer's Variegated Pineapples

(ANANAS SATIVA VARIEGATA)

We are the first to offer this most beautiful of all variegated foliage plants in quantity and at prices nearly as low as good Pandanus Veitchi can be purchased for.

You will make no mistake in giving these a trial; it will make a change and variation in your foliage plants which will be appreciated by your customers and which will prove a profitable investment to you.

1-inch pots, fine plants	\$0.60 each
5-inch pots, fine plants	1.00 each
6-inch pots, fine plants	1.50 each

PHOENIX ROEBELENI

We offer the most extensive stock in America of this beautiful, graceful hardy Palm in excellent plants of good value.

2 1/2-inch pots, 18 months' old seedlings, \$1.50 per dozen; \$12.00 per 100; \$100.00 per 1,000. Each.

4 inch pots, nicely characterized	\$0.60
5 " " "	1.25
Specimens, 6-inch pots, 1 1/2 feet high, 2 feet spread	2.00
" " " tubs, 20 to 22 inches high, 2 feet spread	3.00
" " " " 2 feet high 2 1/2 ft. spread, heavy	5.00
" " " " 2 1/2 " " " " "	12.50
" " " " 3 " " " " "	35.00
" " " " 3 " " " " "	50.00

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AND OTHER DECORATIVE STOCK.

Also our Ferns for Dishes or Ferneries, Poinsettias, Primulas, and other stock for growing on.

FRANK OECHSLIN, 4911 W. Quincy St., Chicago, Illinois

cussion on all subjects. 1:30 P. M. to 5:00 P. M., Inspection Burlington Railroad Station Grounds and Vaughan's Nurseries and Greenhouses, Western Springs, Illinois. 8:00 P. M., Selection of Next Meeting Place, Election of Officers, Miscellaneous.

Thursday and Friday, August 17 and 18, Sightseeing at the discretion of visitors.

WESTCHESTER AND FAIRFIELD HORTICULTURAL SOCIETY.

At the regular meeting held Friday evening, Aug. 11, at Stamford, Conn., there was the usual large attendance. The society has received many prizes for competition at the first annual exhibition to be held in Stamford Nov. 3-4, and an exhibition committee are busy with final schedule, which will soon be ready. Outing committee made final report and all who attended expressed themselves as well pleased with the good work done by the committee to make the affair a success. The judges awarded cultural certificates to James Stuart for Amarrillia Belladonna and Ewen Mackenzie for Muscat of Alexandria grapes. A vote of thanks was given to M. J. Quirk for sweet peas, A. Whitlaw for asters, Carrillo & Baldwin for Cattleya Dowiana, E. Blondin for cucumber North Pole, A. Peterson for tomato

Liberty, J. B. Andrew for ornamental pomegranate and P. W. Popp for basket of flowers.

J. B. McARDLE, Sec'y.

NASSAU COUNTY HORTICULTURAL SOCIETY.

The regular monthly meeting of the Nassau County Horticultural Society was held in Pembroke Hall, Wednesday evening, Aug. 9th. President Trepess occupied the chair and there was a good attendance. Messrs. Ashworth, McNenery and Walker were appointed judges of the monthly exhibits and their decisions were as follows: Society Prize, 12 asters, any color, 1st, Geo. Barton; 6 lilies, 1st, Geo. Barton; 12 gladiolus, 1st, Paul Reul. J. Ingram, Special, for 4 vases of asters, 1st, Geo. Barton. A Certificate of Culture was awarded to James Emslie for a dish of peaches.

The outing committee reported that all arrangements were satisfactory for the annual outing which will be held at Karatsonyi's Hotel, Glenwood, Aug. 17. Mr. Holloway of the executive read the schedule prepared for the Dahlia Show, to be held Sept. 27, which was adopted. The society has received a presentation of 500 vases

donated by Mrs. C. L. Bucknall, Mrs. Wm. Beard, Mrs. Arthur Gibbs, Mrs. H. L. Pratt and Mrs. F. S. Smithers. A letter was read from Stump & Walter, offering a silver cup for the fall show, also a letter from Hitchings & Co., offering a prize. A list of the other special prizes and their donors was also read. A letter was read stating that Mr. James H. Yale wishes to lecture at the next meeting, also Mr. J. Hoff on the value and utility of Alphonso Humus. The Rev. J. W. Gamnick was elected a life member exempt of dues. The society's prize in September will be for the best melon, 12 potatoes and 6 ears of corn.

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The Gardeners' and Florists' Club of Boston will hold its next field day with B. Hammond Tracy, Wenham, Mass., on Saturday, Aug. 26, to inspect the Cedar Acres gladioli fields. Members and friends are asked to take electric car leaving Scollay Square, Boston, at 12:30 o'clock. A cordial invitation is given to all interested friends who are not club members, including ladies, to attend.

WM. N. CRAIG, Sec.

CRAIG QUALITY CROTONS

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The above slogan could also apply to the many other Craig specialties. We are making new customers very fast and with our increased glass area, we are in a position to take good care of you. Eventually you will handle Craig Quality Stock. Why not now? Our many customers advertise our stock and our stock advertises us.

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Cyclamen
Begonia Lorraine
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Genistas]
Ficus Pandurata
Areca Lutescens
Pandanus Veitchii

Phoenix Roebelenii
Dracaena Terminalis
Dracaena Massangeana
Dracaena Lord Woolsley
Dracaena Fragrans
Dracaena Bronze Beauty
Dracaena Mandaiana
Nephrolepis in Variety, etc., etc.

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BRANCH: NORWOOD, PA.

Obituary

John Birnie.

It was sad, sad news and almost unbelievable, that came with lightning suddenness to the hundreds of happy convention visitors at Baltimore when announcement was made of the death of one of their number, on Tuesday evening, as they were just beginning to gather for the president's reception. John Birnie, whom they had been talking to and who, a few minutes before, they had seen at the supper table, dead! It was only too true, and there were tears in many eyes and deep sorrow on all sides. Mr. Birnie, who had been complaining some of not feeling well all through the day was stricken as he sat at the table with his wife in the dining room of the Hotel Belvedere. He was assisted to his room, where he expired in a few minutes. Apoplexy was said to be the cause.

John Birnie was a native of Buchan, Aberdeenshire, Scotland. He came to this country as a trained gardener. One of his first places was with the late W. J. Palmer in Buffalo. Then he went to West Hoboken, N. J., where he has long been known as a skillful and prosperous plant grower. He was active in the New York plant market and an earnest worker in the effort to have adequate accommodations sup-

plied by the city for the marketing of plants. In the New York Florists' Club he was a useful, loyal member, and he has been a regular attendant at the S. A. F. conventions for many



JOHN BIRNIE

years. Personally John Birnie was respected and beloved as few men are. He was whole souled, generous, brilliant in intellect—a fine type of manly character. He was a most interesting writer, good debater and all around genial companion.

The body was taken to West Hoboken, N. J., on Wednesday.

Members of the New York Florists' Club and others formed a procession and escorted the body from the Hotel Belvedere to the station Wednesday morning. The National Society and Baltimore and New York clubs sent beautiful floral tokens. Mr. and Mrs. John Donaldson accompanied Mrs. Birnie home to West Hoboken. The casket was opened at the station and each member in passing dropped in a rose. A special meeting of the New York Florist Club was held Tuesday night at which Messrs. Totty, Bunyard and Sheridan were appointed a committee on obituary resolution.

A Friend's Tribute.

The heart has gone clean out of me. I can't talk. My dear, kind, good John Birnie—that I was just jesting with but a minute ago. It cannot be. I cannot believe he is gone. And yet they assure me that this wonderful big heart has ceased to beat. I refuse to believe it, and yet I must—and in my grief I want to do all kinds of insane things. From now on, count the world a lonesome place for thousands of warm-hearted friends and admirers of John Birnie. He was one of the loveliest personalities I ever knew, and one of the wisest and wittiest. I am inconsolable. I can say no more now.

GEORGE C. WATSON.

C. L. Sieber.

Charles Louis Sieber died at Pontchatoula, La., on August 1. He had

Boddington's Quality Christmas and Winter-Flowering Sweet Peas

A L. true stocks of Winter-Flowering Sweet Peas will be scarce this season, some varieties are a total failure, owing to the exceptional season in California this Spring. We can make immediate delivery of the varieties marked with a star (*), the balance we are expecting from our grower in California at any time. Our advice to intending planters is to order early.

Our stocks of Christmas-Flowering Sweet Peas have stood the test for years, and we can refer you to the largest growers of this increasingly popular flower, as to the truthness and quality of our seed, earliness of blooming period, and strength and habit of plants.

The following varieties are the "best by test" and include Zvolanek's and our own introductions, grown for seed from selected stocks by the leading California Growers and Specialists of Sweet Peas. Our output last year was nearly 6000 lbs. No kicks and plenty of testimonials as to quality, germination and truthness to type.

BODDINGTON'S QUALITY WINTER-FLOWERING SWEET PEAS

At the Exhibition and Convention of the National Sweet Pea Society of America, July 12th and 13th, 1910, we again won the C. C. Morse & Co.'s Silver Cup for the finest and best collection of Sweet Peas open to the trade only

***BODDINGTON'S EXTRA EARLY CHRISTMAS WHITE SNOWBIRD.** An exceptionally early Sweet Pea for indoor flowering—will bloom six weeks after sowing. Color clear white, up on long stems; habit fairly dwarf and of exceptionally free-flowering qualities. Without doubt, the finest early white for indoor planting. We sell one grower in Pennsylvania 35 lbs. of this variety every year, name on application. Oz., 30 cts.; ¼ lb., 85 cts.; ½ lb., \$1.50; lb., \$2.50.

***BODDINGTON'S CHRISTMAS PINK.** This is the earliest and most profitable and useful Sweet Pea in cultivation, as by sowing the seed under glass in latter part of August, flowers can be out from Thanksgiving on during the Winter months. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

***BODDINGTON'S CHRISTMAS WHITE.** A companion to our Christmas Pink. Just as free and profuse a bloomer. Oz., 15 cts.; ¼ lb., 50 cts.; ½ lb., 85 cts.; lb., \$1.50.

***BODDINGTON'S CANARY.** Similar to the above, but flowers of an exceptionally good yellow. Oz., 35 cts.; ¼ lb., \$1.00; ½ lb., \$1.75; lb., \$3.00.

***BODDINGTON'S FLAMINGO.** Color scarlet; free-flowering and early. Oz., 50 cts.; ¼ lb., \$1.50; ½ lb., \$2.75; lb., \$5.00.

***Christmas Meteor.** Scarlet; fine open red flower. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

Christmas Captain. Blue and purple. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

***Florence Denzer.** Pure white. Oz., 15 cts.; ¼ lb., 50 cts.; ½ lb., 85 cts.; lb., \$1.50.

Greenbrook. White standard, slightly touched with lavender. Large orchid flowering variety. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

***Le Marquis.** This is the same color as Princess of Wales, violet; has very large flowers. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

***Miss Helen M. Gould.** White, open flower; standard lilac, marbled. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

***Miss Josey Reilly.** Lilac; very large flowers. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

***Mrs. E. Wild.** Carmine or dark pink. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

***Mrs. Alex Wallace.** Very scarce. Lavender. Oz., 50 cts.; ¼ lb., \$1.50; ½ lb., \$2.25; lb., \$4.00.

Mrs. William Sim. Salmon-pink. Crop failed.

***Mrs. George Lewis.** Large, pure white wavy flower. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

Mrs. W. W. Smalley. Satiny pink. Oz., 35 cts.; ¼ lb., \$1.00; ½ lb., \$1.75; lb., \$3.00.

***Mrs. E. J. Delansky.** Daybreak pink. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

***Mrs. Chas. H. Totty.** Sky-blue; late. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

Mrs. Zvolanek. Blue, variegated; good for variety. Oz., 50 cts.; ¼ lb., \$1.50; ½ lb., \$2.75; lb., \$5.00.

Wallacea. Very fine lavender, a grand florists' variety. Oz., 50 cts.; ¼ lb., \$1.50; ½ lb., \$2.75; lb., \$5.00.

***Watchung.** Pure white. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

***Wm. J. Stewart.** Blue self. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

All other varieties of Winter and Summer-flowering Sweet Peas supplied. Write for quotations.

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DOROTHY GORDON, PINK DELIGHT, and WHITE ENCHANTRESS, \$8.00 per 100, \$75.00 per 1000

ENCHANTRESS, WHITE PERFECTION, and WINSOR, \$7.00 per 100, \$60.00 per 1000. Send us your order at once. Call or write.

followed the florist business for many years, coming here from Germany. He was a member of the New Orleans Horticultural Society, a delegation from which attended the funeral.

James H. O'Malley.

On July 27, James H. O'Malley, gardener and florist in Scranton, Pa., died suddenly. He was born in Ireland 56 years ago and came to Scranton when 16. His wife, two daughters and three sons survive him.

Rudolph Forst.

Rudolph Forst died at his home in Millvale, Pa., on August 3. He was a

member of the firm of Wollerman & Forst, wholesale florists of Gibsonia, Pa.

Samuel S. Crissey.

Samuel S. Crissey died in Fredonia, N. Y., on July 28, aged 78 years. He was for a number of years in the nursery business.

M. L. Bonham.

M. L. Bonham, nurseryman and florist, Clinton, Mo., died recently of heart trouble.

CINCINNATI NOTES.

C. E. Critchell, Al. Horning, Wm. Schuman, Al. Heckman and R. C. Witterstaetter composed the party that are attending the convention, and will also represent Cincinnati in the bowling tournament.

Mr. and Mrs. Gus Adrian, the Misses Clare and Laura Murphy, Miss Cora Pearson, Mrs. and Miss Windram composed a party that left Monday for the Snows, Mich., for a two weeks' visit, joining Mr. Wm. Murphy and Thos. Thomas who have been camping there for the past week.

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We grow all our Kentias, above 6-in. sizes, in cedar tubs made especially for us, avoiding breakage of pots in shipments and giving better satisfaction to our customers; and while they cost us a great deal more than pots, we sell the plants for the same money. We order these tubs by the carload. With more glass, our stock is much larger than ever before.

When in Philadelphia, call and see our stock before placing your order.

20 minutes ride by rail; 100 trains every weekday; Railway Station Jenkintown.

Joseph Heacock Company's Price List

Areca Lutescens			
Pot	Plants in pot	In. high	Each
6-in.	3	26 to 28	\$1.00
7-in.	3	36	2.00
8-in.	3	42	3.00
Cedar			
Tub	Plants in tub	In. high	Each
9-in.	Several	48 to 54	\$5.00
9-in.	"	5-ft.	7.50

Cocos Weddelliana			
Pot	In. high		
2½-in.	8 to 10		\$10.00
2½-in.	10 to 12		15.00

Kentia Belmoreana				
Pot	Leaves	In. high	Each	Doz.
2½-in.	4	8 to 10		\$ 1.50
3-in.	5	12		2.00
5-in.	6 to 7	18	\$0.50	6.00
6-in.	6 to 7	24	1.00	12.00
6-in.	6 to 7	26	1.25	15.00
6-in.	6 to 7	28 to 30	1.50	18.00

Kentia Belmoreana				
Cedar	Leaves	In. high	Each	Doz.
7-in.	6 to 7	34 to 36	\$2.50	\$30.00
7-in.	6 to 7	36 to 38	3.00	36.00
9-in.	6 to 7	40 to 45	4.00	48.00
9-in.	6 to 7	42 to 48	Hvy.Ea.	5.00
9-in.	6 to 7	48 to 54	Hvy.Ea.	6.00

Kentia Forsteriana				
Pot	Leaves	In. high	Each	Doz.
6-in.	5 to 6	28 to 30	\$1.00	\$12.00
6-in.	6	34 to 36	1.50	18.00

Cibotium Schiedeii			
Cedar	Spread		Each
9-in.	4 to 5 feet		\$4.00 to \$5.00
9-in.	5 to 6 feet		6.00

Kentia Forsteriana				
Cedar	Plants	In. high	Each	Doz.
7-in.	4	36	\$2.50	\$30.00
7-in.	4	36 to 40	3.00	36.00
9-in.	4	40 to 42	4.00	48.00
9-in.	4	42 to 48	5.00	60.00
9-in.	4	4-ft. Hvy.	Each	6.00
12-in.	4	6-ft. Hvy.	Each	15.00

Phoenix Roebelinii			
Pot			Each
5-in.	Nicely characterized....		\$1.00
6-in.	18 to 20 in.	spread.....	1.50
Cedar			
Tub	High	Spread	Each
7-in.	18-in.	24-in.	\$2.00
7-in.	20 to 24-in.	2-ft.	2.50

Joseph Heacock Company,

Wyncote, Pa. Railway Station, Jenkintown.

WASHINGTON NOTES.

The roses at the National Capital have been better this summer than ever before owing to the fact that some of the larger growers have devoted several houses to summer stock exclusively. American Beauties, off new plants, have been coming in fine shape since the first of August and the supply is well equal to the demand for all ordinary purposes. "My Maryland," "Enchanter," "Kaiserin," "Killarney," "Brides," "Bridesmaids" and "Ivory" are in good form for this season of the year. Carnations have been fairly plentiful and really good considering the terrific heat, but now the larger growers are throwing them out to make room for the outdoor plants. China asters are doing better this year than ever before. They are being grown to single stem two and three feet long with four-inch flowers. They are filling in the space until chrysanthemum time a few weeks hence.

Mr. Otto A. C. Oehmler, secretary of the Washington Florists' Club, is spending the month with Mrs. Oehmler and their child, at Colonial Beach.

J. H. Small & Sons furnished practically all the cut flowers and decorative plants used in connection with the entertainments tendered Admiral Count Togo of the Japanese Navy during his recent visit to Washington.

Superintendent Lanham who has charge of the trees and parkings of this city reports that, as a result of a successful war against the caterpillar and the tussock moth, the 100,000 shade trees of Washington are in better condition this year than ever before. This year a 450 gallon sprink-

ler, loaded with arsenate of lead, was brought into operation, with excellent results.

Edward M. Harris, Sr., and Prof. George M. Perdue, both of Cumberland, Md., last year discovered a new species of goldenrod growing in the vicinity of "Devil's Slide," near Cumberland, and for this Mr. Harris has been honored by having the plant named after him—Solidago Harrisii. This plant grows and blooms much earlier than the ordinary goldenrod, but it usually attains a growth of only one foot.

CLARENCE L. LINZ.

PERSONAL.

Frank Hill, gardener to F. A. Sayles, Pawtucket, R. I., is very proud of the fine conifers that adorn this fine place and which by care in planting have survived this dry season. His method is to fill each hole about one-half with soil and puddle well around the roots giving plenty of water, then finish with top soil. By following this plan he has not lost one tree.

Having failed in her mission to find her husband, Caskin A. Abeele, who came to Washington a month ago to establish a florist business, Mrs. Jennie Abeele is again at her home in Flatbush, N. Y. With her six-week-old baby she returned to New York yesterday afternoon. According to the story she told the police, her husband, after selling his greenhouse on Long Island, left her when her baby was six weeks old, saying he was going to Washington. He had with him, she said, nearly \$2000. The police are making a search for Abeele.—Washington Times.

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Orchids, Azaleas, Palms, Lorraines, Crotons

RUTHERFORD, N. J.

LORRAINE BEGONIAS

Strong 2¼ in. stock, ready for 3¼ in.

Per 100, \$15.00; 250 at \$14.00 per 100.

THOMAS ROLAND,

Nahant, Mass.

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PALMS, BAY TREES, BOXWOOD AND HARDY HERBACEOUS PLANTS, EVERGREENS, ROSES, RHODODENDRONS, VINES AND CLIMBERS, AUTUMN BULBS AND ROOTS, CONIFERS, PINES.

Florists are always welcome visitors to our nurseries. We are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

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American Grown Roses

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10,000 trees, 4 to 6 feet, to clear the land, \$50 per 100, f. o. b. N. Y., N. H. & H. R. R., Sharon Heights Station, Mass.

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Stereopticon lectures on Horticulture and Arboriculture.

BALTIMORE NOTES.

It is planned to increase the gardens at the new home of the Johns Hopkins University and to build an additional greenhouse. The garden was laid out some three years ago by Mr. William H. Witte, the superintendent, and under his direction it has been enlarged from time to time. It was established primarily for purposes of botanical research work in connection with the University, but it is open to the public. For the benefit of the latter, every plant, tree and

Box Trees

and other EVERGREENS for Tubs and Boxes
Our Prices are Always Right—Catalog Free

THE NEW ENGLAND NURSERIES, Inc.
BEDFORD, MASS.

DIRECT IMPORTATIONS

Bay Trees, Kentias, Azaleas, Valley Pips, Roses, Rhododendrons, Boxwood, Manetti, Evergreens, Jap. Lilies, Raffia, etc., etc.
Nursery stock from France, Holland, England and Japan.

McHutchison & Co. 17 Murray St.
New York, N. Y.

HOLLAND NURSERIES

Best Hardy Rhododendrons, Azaleas, Conifers, Clematis, H. P. Roses, Shrubs, and Herbaceous Plants.

P. OUWERKERK, 214 Jane St., Westchester Bldg.
P. O. No. 1, Hoboken, N. J.

bush is labeled and entered in a catalogue, a copy of which is given to those who may be interested.

Mr. Louis C. C. Krieger, well known to florists throughout the country by reason of his work for the United States Agricultural Department, is visiting in this city. Mr. Krieger who is an artist, is at present located in Cambridge, Mass., where he is engaged in illustrating the work on the cryptogamic flora of the United States which is being prepared by Dr. W. G. Farlow, the famous Harvard botanist.

¶ The other day I visited a small town not far from New York to see what business might be done. I concluded to visit the oldest establishment first and when I arrived there an old disgruntled dis-budder came out of the house, cleaning his teeth via the vacuum method; said he had bought for 20 years from one house and calculated they were good enough for him, besides he used Callas since the Harrisii had gone wrong. I asked him if any other florist in town grew bulbs and he said there was only one other and he was a young snip who knew nothing about the business, and used no lilies that he knew of. So of course, I knew the young fellow must be of some account since the old man had belittled him. Sure enough, I found the young fellow up and busy. He had more business about him in a minute than the old man in a day and after a five minute conversation he bought what he needed and went about his work. Before I left I asked him about the old man and was told that he was a reliable man who bought some bulbs and was advised to see him. I thought to myself what a difference in humanity and between the old and the young in business, but said nothing. The old fellow is a throw-back from the Black Ages—and will never amount to a row of pins. The Good Shepherd knows we don't want any Horseshoe Brand boxes around his back yard, but the younger man we want and we will keep his trade for he is worthy of respect and business confidence.—Ward.

¶ For prices on Horseshoe Brand Cold Storage Giganteum, Magnificum, Auratum, etc. write us—deliveries now or later.



Not How Cheap
But How Good

Ralph M. Ward & Co.

12 West Broadway
NEW YORK CITY

During Recess

Michell Co.'s Outing.

The Henry F. Michell Company gave their employees and friends the first annual outing and athletic meet on Saturday, August 12th.

Four special trolley cars were engaged to convey the party to the Evergreen Gardens, at Andalusia, Pa., where the outing was held. Upon arriving at the Gardens the official photographs were taken, after which the entire party of over 200 marched to the flagpole to take part in the flag raising, and with uncovered heads sang the National Anthem.

Athletic contests were next on the list. Young and old men and the women took part. Much amusement was afforded by the various races and other contests.

To end the sports a baseball game was played by the representative teams of Henry A. Dreer and Henry F. Michell. This was the most exciting part of the day's program. The game was nip and tuck up to the seventh inning, when the Michell boys got in their usual batting rally and scored 9 runs in one inning, making it a walk-over of the easiest kind, the final score being 19 to 2. Score by innings as follows:

	1	2	3	4	5	6	7	8	9	R	H	E
Dreer.	0	0	0	1	0	1	0	0	2	3	2	
Michell.	1	0	1	0	1	2	9	5	0	19	21	1

Umpires: Roth and Bettz.

After the game refreshments were served on the lawn and needless to say everybody did justice to the eats. Then, to wind up the festivities, the young people enjoyed themselves at the dance which was given in the spacious new building which will be used as a storehouse this fall.

At eight o'clock the outing was brought to a close and all went home extremely tired and well satisfied that they had had the time of their lives.

The Michell ball team has one open date this season, which is September 4th, and would like to arrange a game with one of the out-of-town seed houses, preferably New York or Boston, for the inter-city seed championship.

New York vs. Astoria.

On Friday evening, Aug. 11, these two teams met on Thumm's alleys, New York, with the following results, Astoria winning all four games:

Astoria.												
Dreer.	105	151	137	209								
K. S. Co.	168	222	164	151								
St. J. Co.	188	165	191	158								
W. M. Co.	166	142	158	139								
M. Co.	167	182	189	179								
Total.	874	862	830	827								
New York.												
J. M. Co.	149	154	182	133								
S. Co.	177	172	126	128								
K. Co.	176	126	162	162								
N. Co.	177	168	214	169								
C. Co.	177	142	145	182								
Total.	876	862	829	765								

The Lenox Horticultural Society will hold their annual field day in Tanglewood grove on the shores of Stockbridge Bowl, on Wednesday, August 23. If it is rainy, it will be held the following day. There will be an attractive program of sports in-

cluding a baseball match between two teams composed of association men, foot races, 100 and 200 yard dashes, putting the 16 pound shot, hammer throwing, pole vaulting and high jumping and hop-step-and-a-jump contests. The committee in charge is Robert Grinnod, George Instone, Sidney Whitney, Oliver Lines and William Hooker.

C. S. HARRISON AND CONSERVATION.

Taking the last sentence of Mr. Harrison's good and wholesome address (p. 184, Hort., Aug. 5th), viz.: "This country is going to be saved. Not only conserved but made more beautiful and attractive." I should like to ask Mr. Harrison how he believes this is to be done. It is one thing to have ideals and another thing to put these ideals in force. The minute you start to do the latter you run up against vested interests with the whole of the law and the prophets behind them. What would Mr. Harrison propose as a first step? Would he be willing to have all our laws relating to land owning, land selling or land holding revised and begin on a new deal, namely that fundamentally land is not a salable commodity, any more than the atmosphere or the running waters? All of these natural resources are rentable, but only one (the law) has been heretofore considered a salable commodity. Should we make land rentable only and not salable? Gifford Pinchot has the right idea, but what is he going to do if the "grab-balls" with all the bad laws on their side are in power at Washington? This is a tough proposition. I would like to hear from Mr. Harrison as to how we are to get back to the right idea, and how the public are to hold what little they still have without a fight. France, Germany, Great Britain and Seattle are all struggling with this question these many years. Vancouver, B. C., seems to have managed it. I am glad to read the reverend gentleman's confident slogan, and hope he will respond to this neighborly inquiry. GEORGE C. WATSON.

PERSONAL.

Albert Henderson, gardener to Nicolas Hubuyer, New Haven, Conn., succeeded Chris Mickelovitz, who recently passed away after a service of twenty-five years at that establishment.

Wm. Robertson, formerly head gardener to Levi P. Morton, Rhinebeck-on-Hudson, has accepted a similar position with Wm. Maxwell, Rockville, Conn., and is making plans for a thorough rearrangement of the gardens.

David Lumsden has been promoted by the board of trustees of the New Hampshire State Agricultural College from the position of assistant in floriculture to instructor in floriculture and landscape gardening. Another honor has come to Mr. Lumsden through President R. L. Watts of the Vegetable Growers' Association, who has appointed him vice-president of that body for New Hampshire.

Visitors in Boston: Mr. Bates, of the King Construction Company, New York; Walter Dawson, Philadelphia, Pa.

Seed Trade

A dispatch from Los Angeles, dated Aug. 8th, indicates that sweet peas are less than half a crop.

Madison, Wis.—The L. L. Olds Seed Co. has filed an amendment increasing its capital from \$50,000 to \$100,000.

Grand Junction, Colo.—W. L. Burgess, formerly of Forkston, Pa., has purchased the interest of W. Rozzelle in the Grand Junction Seed Co. It is intended to increase facilities and enlarge the business.

DETROIT NOTES.

George Brown was twice smiled upon by Dame Fortune last week. On Monday he was re-elected president of the local club. A couple of days later a bouncing little boy arrived at his place.

J. F. Sullivan also is congratulated by the boys, his faithful wife having gone through several operations and arrived at a stage where complete recovery is certain. We have persuaded him to take the vice-presidency.

Louis Charvatte, the young hustler, is rejoicing over completing and planting three fine new houses.

South Framingham, Mass.—The property of Lemoine Bros. has been sold to a syndicate.



Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

COLDWELL LAWN MOWERS

Hand—Horse—Motor

Known All Over the World

Catalogue on Request.

NEWBURGH, N. Y.

CELERY PLANTS

Have 150,000 celery plants. Varieties, Golden Self Blanching, Woodruff Beauty, Vulture, Henderson, Elmer, Art's Green, Shenaker's Green, Improved White, Winter King, Magnificent. All finely rooted.

WARREN SHINN, Nurseryman
WOODBURY, N. J.

MICHELL'S Colossal Mignonette

The seed we offer is greenhouse grown, picked from specimen spikes only, and from a strain which has no superior in this country.

Fresh seeds ready now

Trade Packet, 40c \$3.00 per oz.

WHOLESALE FALL CATALOGUE READY NOW

HENRY F. MICHELL CO.

518 MARKET STREET

PHILADELPHIA

Farquhar's Flower Seeds for The Florist

Write for our Wholesale
Catalogue

R. & J. FARQUHAR & CO.
Boston, Mass.

Francis Brill Choice Seeds

GROWER and DEALER

Hempstead, L. I.

NEW YORK

For Gardeners, Truckers and Plant Growers
Long Island Cabbage Seed, Cauli-
flower, Egg, Pepper, Tomato, Etc.
Price Lists Free Quality Finest Wholesale and Retail

TURNIP SEED } for immediate delivery
BEANS }

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

Wholesale

SEED GROWERS AND DEALERS

SEEDS, PLANTS, BULBS

All seasonable kinds of best
quality

Special prices on large lots

JAMES VICK'S SONS,

Seedsman

ROCHESTER, N. Y.

Florists and Seedsmen Sell Your Own Scratch or Poultry Food

We will make it for you under your own brand for
\$28.00 PER TON

Send to-day for sample 100 lb. bag, \$1.50. Mr. C. E. Jensen of Atlantic Co., N. J., on Oct. 27, 1910, writes as follows:—I want to state that your three grades of Poultry Food, Chick Starter, Developing Food and "Square Deal" Scratch or Poultry Food stands without an equal to day. They are perfect mixtures and sound in grain and a pleasure to handle.

J. BOLGIANO & SON,

Importers and Wholesalers. Established for 92 Years.
BALTIMORE, - MD.

CAULIFLOWER CABBAGE

MANGOLD, SWEDE, TURNIP
LILY OF THE VALLEY PIPS

HJALMAR HARTMANN & CO.
COPENHAGEN, DENMARK.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

FINEST FLORISTS' SEEDS

Price list free on request

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

CHOICE SEEDS

FOR PRESENT PLANTING
Stocks, Asters, Chinese Primulae
etc.

THOMAS J. GREY CO.

32 South Market Street, Boston, Mass.

Established 1820

Thorburn's Seeds

Asparagus Plumosus Nanus

New Crop Just Received

We offer while unsold as follows:

1,000 seeds	\$2.50.
5,000 seeds and up @	\$3.25 per 1000
10,000 seeds and up @	3.00 per 1000
20,000 seeds and up @	1.75 per 1000

Cold Storage Lily of the Valley Pips

HIGHEST GRADE

Cases of 1000 pips @	\$13.00 per case
Cases of 3000 pips @	36.00 per case

J. M. THORBURN & CO.

33 Barclay Street
NEW YORK

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props

37 East 19th St., - NEW YORK CITY

Sphagnum Moss

16. Barap Bales: per bale \$1.00, 6 bales for \$5.00, 10 bales for \$8.00.

Larger Lots at Lower Prices.

The W. W. Barnard Co.

108-110 W. Kinzie St., CHICAGO

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Aldine 880. Aldine 881. Aldine 882.

SAMUEL MURRAY

**Kansas City, Mo.
913 Grand Ave.**

All Orders Given Prompt and Careful Attention



**WASHINGTON,
D. C.**

GUDE'S

The Far-Famed Flowers of
TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP
96 Yonge St., - - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE
Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.

Members Florists' Telegraph Assn.

ALBANY, N. Y.

EYRES
Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

CHICAGO NOTES.

Live Florists in a Live Town.

Jas. G. Hancock of F. Oechslein's, returned from a week's vacation Sunday. While in Grand Rapids, Mich., he found Henry Smith building four greenhouses 30x150 feet, with concrete walls and posts and pecky cypress benches.

Will Hanna of the Grand Rapids Floral Co., is preparing to build two houses 30x150 feet this fall, to be used for forcing vegetables.

Crabb and Hunter of Grand Rapids, Mich., are rapidly taking down their houses on the Madison Ave., site recently purchased by the city for a play ground and moving them to the Reed's Lake place. Eli Cross has an exceptionally fine stock of chrysanthemums, violets, carnations and roses.

Mr. Hancock met many old friends at the joint meeting of the Mich., State Horticultural Society and Grand River Valley Horticultural Society which met at the residence of Henry Smith, Grand Rapids, on Saturday.

STEAMER DEPARTURES

American.

New York, N.Y.-Southampton.Aug. 26

Anchor.

Camerounia, N. Y.-Glasgow....Aug. 26

Atlantic Transport.

Minnewaska, N. Y.-London....Aug. 26

Cunard.

Franconia, Boston-Liverpool..Aug. 22

Mauretania, N. Y.-Liverpool..Aug. 23

Saxonia, N. Y.-Mediteranean.Aug. 24

Caronia, N. Y.-Liverpool.....Aug. 26

Hamburg-American.

Pennsylvania, N. Y.-Hamburg.Aug. 24

Holland-America.

Potsdam, N. Y.-Rotterdam....Aug. 22

New Amsterdam, N.Y.-R'dam.Aug. 29

Leyland.

Winifredian, Boston-Liverpool.Aug. 26

North German Lloyd.

Kron. Cecilie, N. Y.-Bremen.Aug. 22

Koenig Albert, N. Y.-Medit'n.Aug. 26

K.W. der Grosse, N.Y.-B'men.Aug. 29

Red Star.

Finland, N. Y.-Antwerp.....Aug. 26

White Star.

Baltic, N. Y.-Liverpool.....Aug. 24

Majestic, N. Y.-Southampton.Aug. 26

Zeeland, Boston-Liverpool....Aug. 29

Aug. 12th. It was known as the Summer Orchard Meeting and the fine orchards for which that vicinity is noted were visited. Some interesting papers on live topics were read and discussed. The attendance was large about two hundred fruit and flower enthusiasts being present. A substantial lunch was served by their host.

Trade Jottings.

E. H. Hunt's force are busy in the supply department getting ready for the fall trips.

C. N. Dickinson is expected back this week and fall business will be under way.

Two more automobiles are to be added to the long line now owned by florists in this vicinity. John Poehlmann has a new Winton touring car with six cylinders and built to carry seven passengers, and Adolph will soon have a similar one.

The Chicago Carnation Co., has found it possible to so care for their old carnation plants that a good qual-

ALEX. McCONNELL

**571 FIFTH AVENUE
NEW YORK CITY**

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

NEW YORK

Orders for Steamer, Theatre, Hotel, or Residence Carefully Filled.

Wm. H. LONG

412 Columbus Ave.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph and Cable address, Dardapier

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points, New York City, New Jersey, etc. At Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N.Y.

MATTHEWS ^{The} FLORIST

DAYTON, OHIO.

Is elegantly equipped to take care properly of all orders for flowers entrusted to him night or day.

For Dayton, Ohio and Vicinity

"THE HOME OF FLOWERS"

The largest cut flower store in America. Orders for the TWIN CITIES and for all Northwestern points given prompt attention.

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your retail orders to

EDWARD MACMULKIN
194 Boylston Street, Boston

LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

IN MID-SUMMER

Yes, it is now mid-summer. For a few weeks to come you will have to be wide-awake to catch the little chunks of business that occasionally materialize in this low-tide period.

LET US HELP YOU

Whether mid-summer or any other season we are always "on our job" and can give you more and better goods than you can get for your money anywhere else. Our H. Bayersdorfer's novelty purchases in Europe this summer are beginning to arrive. "Are you on?" Write us a line and we'll send you a list. At same time try a few of our Preserved Natural Ferns, Magnolia and Cycas Leaves, etc. They never wilt. Once tried always wanted.

H. BAYERSDORFER & CO., 1129 ARCH STREET, PHILADELPHIA, PA.

ity of stock is still being cut from them. This firm is showing celosia among other variations of the regular line this week.

F. Oechslin is moving his office equipment into the new room. It is large, light and will be in keeping with his greatly improved place. The new range is about finished and already is full of plants. Visitors are always welcome.

Hoerber Bros. have their houses at Des Plaines all planted and in fine shape. They are cutting good stock from their young rose plants. They are among the latest to take up this business but they are rapidly getting to the front in results.

No one in the trade can remember such a glut in gladioli as exists at this time. There are no quotable prices even on the best stock this week.

Personal.

John Michelson has had a vacation spending it in Southern Illinois.

Miss Nettie Parker returned from two weeks at Whitehall and Saugatuck, Mich.

F. Paszkiet is back at work after two weeks spent in restful short trips about the state.

Michael Frick who is attending the convention will visit New York before returning.

A letter from E. E. Peiser received at the store states that he is at Duluth, Minn.

Henry Winter and Gus A. returned Monday from a week at Fort Washington Wis.

NEW ENGLAND FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points.

THOS. F. GALVIN
124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall
Schools. **TAILBY, Wellesley, Mass.**
Tel. Wellesley 44-1 and 2. Night 44-3

NOTICE!

A Good Retail Flower Business For Sale

This is a good opportunity for a young man wishing to go into business. It is not one that will enable a man to buy a fancy car the first year, but is in good shape and the right party can be convinced to his satisfaction. A Catholic man preferred.

Address F. S., care of "Horticulture"

Auction Sale of Stalls

The 8th annual sale will take place Saturday, Sept. 2, 1911. All interested are requested to attend same.

Boston Co-Operative Flower Market
2 Park Street, Boston, Mass.

Miss Bert Schiller who is spending her vacation in Allegan, Mich., is suffering from malarial fever.

Violet Nelson of Morton Grove, Ill. and Walter F. Peters of Evanston, Ill., were married at the home of the bride's father August 6th.

Miss Harper, of E. H. Hays, is spending two weeks at White Lake, Mich. This store reports the largest July business ever done at its store, and it is the oldest supply store in Chicago.

Harry Rowe had the misfortune to have his automobile run over by a car in Washington, D. C., and unfortunately no one.

The car was driven by...

NEW FLOWER STORES.

Baraboo, Wis.—Hilbert...

Utica, N. Y.—John L. Zoeckler, 38 Hobart street.

Portsmouth, N. H.—R. G. Hannaford, Richards avenue.

Chicago, Ill.—The Wabash Ave Flower Market, Wabash avenue.

Worcester, Mass.—The flower stand in the new depot has been leased by Jacob Robinson and Sam Bornstein.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edw. MacMulkin, 194 Boylston St.

Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.

Buffalo, N. Y.—Palmer's 304 Main St.
Cleveland—William J. Smyth, Michigan Ave. and 31st St.

Dayton, O.—Matthews, The Florist.
Denver, Col.—Park Floral Co., 1643 B'way.

Des Moines, Ia.—J. Bretneger's Sons, Main and Gratiot Aves.
Detroit City, Mich.—Samuel Murray, 912 East Ave.

St. Louis, Mo.—Wm. L. Rusk Flower, 1116 Walnut St.

Louisville, Ky.—Jacob Schultz, 550 South Fourth Ave.

New York—David Clarke's Sons, 2139 Broadway.

New York—Alex. McCall, 837 5th Ave.
New York—W. H. Long, 412 Columbus Ave.

New York—Young & Nugent, 42 W. 28th St.
New York—Yards, N. E. cor. 4th St. and Madison Ave.

St. Paul, Minn.—Holm & Olson.
Toronto, Can.—J. H. Dunkley, 36 Yonge St.

Washington, D. C.—Gude Bros., 1214 F St.
Wellesley, Mass.—Tailby.

Somerville, Mass.—The Davis Square Florists, 10 Central building will move into larger quarters at 1 Medina building Sept. 1.

Field Grown Carnation Plants

The plants we are offering are all in splendid condition. Order them now, even if you are not yet ready for them, we will reserve them for you. It is by offering better plants—not cheaper—that we are able to hold and constantly increase our plant business.

The Leo Niessen Co.

Wholesale Florists

1209 Arch Street, - PHILADELPHIA, PA.

BOSTON FLOWER EXCHANGE, Inc.

THE TWENTIETH ANNUAL SALE OF
STALLS IN THE

BOSTON FLOWER EXCHANGE MARKET

Basement of Park St. Church, 1 Park St., Boston, will
take place Saturday, Sept. 2, 1911, at 9.30 o'clock, A.M.

W. C. STICKEL
Pres.

GEORGE CARTWRIGHT
Treas.

THE BEST LETTERS

FOR THOSE
FLORIST'S MADE
USE BY THE

R

Boston Florist Letter Co

66 PEARL ST., BOSTON

N. F. McCarthy, Mgr.

Order direct or buy from your local
supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always
in Stock.

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	BOSTON Aug. 17	CHICAGO Aug. 15	ST. LOUIS Aug. 15	PHILA. Aug. 15
American Beauty, Fancy and Special	15.00 to 25.00	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00
" Extra	10.00 to 15.00	15.00 to 20.00	10.00 to 15.00	12.00 to 15.00
" No. 1	6.00 to 10.00	10.00 to 12.00	6.00 to 8.00	8.00 to 10.00
" Lower grades	2.00 to 4.00	6.00 to 8.00	2.00 to 4.00	4.00 to 6.00
Richmond, Chateaux, Fancy & Spl.	4.00 to 6.00	6.00 to 10.00	3.00 to 6.00	5.00 to 6.00
" Lower grades	1.00 to 2.00	3.00 to 5.00	2.00 to 4.00	2.00 to 3.00
Killarney, Maryland, Fan, & Spl.	4.00 to 6.00	6.00 to 10.00	3.00 to 6.00	5.00 to 6.00
" Lower grades	1.00 to 2.00	3.00 to 5.00	2.00 to 4.00	2.00 to 3.00
Ride, "Maid"	1.00 to 2.00	3.00 to 5.00	2.00 to 4.00	2.00 to 3.00
Kaiserin, Carnot, Taft	3.00 to 5.00	5.00 to 8.00	2.00 to 4.00	3.00 to 5.00
CARNATIONS, Firm Quality	1.00 to 1.50	2.00 to 2.50	1.50 to 2.00	1.50 to 2.00
Ordinary	.50 to .75	1.00 to 1.50	.50 to .75	1.00 to 1.50
MISCELLANEOUS				
Cattleyas	40.00 to 60.00	30.00 to 50.00	30.00 to 50.00	35.00 to 50.00
Lilies, Longiflorum	4.00 to 5.00	5.00 to 8.00	8.00 to 10.00	10.00 to 12.50
Lily of the valley	2.00 to 4.00	2.00 to 4.00	3.00 to 4.00	2.00 to 4.00
Gladioli	1.00 to 4.00	3.00 to 10.00	2.00 to 4.00	3.00 to 5.00
Stocks	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Asters	.50 to 1.50	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Daisies	1.00 to 2.00	.50 to 1.00	.50 to 1.00	.50 to 1.00
Snapdragons	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Sweet Peas	.15 to .50	.50 to 1.00	1.00 to 2.00	.50 to 1.00
Gardenias	10.00 to 25.00	10.00 to 25.00	10.00 to 25.00	10.00 to 25.00
Adiantum	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Smilax	12.00 to 15.00	15.00 to 18.00	12.50 to 15.00	15.00 to 18.00
Asparagus Plumosus, strings (100)	5.00 to 50.00	50.00 to 60.00	35.00 to 50.00	35.00 to 50.00
" " & Spreu. (100 bchs.)	16.00 to 50.00	25.00 to 40.00	20.00 to 30.00	35.00 to 50.00

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New crop Dagger and Fancy Ferns, \$1.75 per 100. Green and Bronze Galax, 90c. per 1000; by the case, \$7.50. Boxwood, 50-lb. case, \$7.50; by the lb., 25c. Laurel Wreaths, 10-inch, \$1.75 per doz.; 12-inch, \$2.25 per doz.; 14-inch, \$3.00 per doz.; 16-inch, \$4.50 per doz. Laurel Trimming, 4 and 5c. per yd.

Flower Market Reports.

BOSTON

The condition of the market both as regards selling and quality of flowers does not shape up as well as usual at this time of year. Hot weather is the cry and apology for the condition of the stock. There are plenty of small roses but they are hard to move, even the street fakir fighting shy of them. Good roses sell well when they can be had. Carnations are not even seen in the market while asters are not as plentiful as other years and those that do come in are not up to standard due to causes already stated. Gladioli are plentiful as are also lily of the valley.

For the past two weeks **BUFFALO** trade has been irregular, at times not enough of a certain line could be obtained and at other times too many. Home grown gladioli are now had in quantity, and some choice Americas, May and Augusta are had. There being too many of the ordinary mixed varieties they have dragged along to some extent. Asters of the late varieties are making their appearance, though not in large quantities. There are plenty of roses mostly shorts, and select stock sells rapidly. Lily of the Valley has had a good demand, and excellent stock to be had. Plenty of greens.

CHICAGO

A normal August condition prevails, with the exception that an unlimited supply of gladioli is flooding the market. All kinds are sharing the same fate some days, while the best varieties are of course sold first when there can be said to be any demand. On Saturday, August 12, a large lot of the choicest kinds sold at ridiculously low prices, one wholesaler reporting a sale of 2000 of his best stock at 1½ cents each. Roses from new plants are not very large, but otherwise quality is excellent. Carnations from the field are short and full of buds, but help out when this flower is needed. Some very good blooms are still being cut from old stock. The supply of lilies is still larger than can be handled to advantage. Asters are now coming on fairly long stems, and though not specially large are fair in size. Among the more unusual stock this week was seen celosia in several varieties. Plenty of green is to be had and is fully appreciated by those who try for seasonable window decorations.

Business for the week **CINCINNATI** ending Aug. 12th was fairly satisfactory.

All kinds of flowers were to be had in quantity. The supply of Beauties is in excess of present requirements, while the quality was never better for this time of the year. Tea roses too are of very good quality, but receipts are too heavy to realize anywhere near quoted price, the greater part of the sales being made via the job lot route. A limited number of Enchantress and white Enchantress with a fair bloom and stem, cut from old stock, are still coming in and sell readily. Carnations from the field move slowly. Gladioli are coming in in unlimited numbers, the better grades bringing a fair price while the poorer ones drag, a good many finding an outlet by way of the ash barrel. Good asters are few and far between, while the market is well



A MAGNIFICENT LOT OF

FIELD GROWN CARNATION PLANTS

Stock selected and grown especially for us. We wish to call particular attention to the Mrs. C. W. Ward plants, which are in extra fine shape. Our guarantee goes with every carnation plant we send out, thus insuring to you the very best of quality and satisfaction.



	Per 100	Per 1000		Per 100	Per 1000
Mrs. C. W. Ward....	\$9.00	\$80.00	Beacon	8.00	75.00
Dorothy Gordon.....	8.00	75.00	Winona	7.00	60.00
Enchantress	7.00	60.00	Winsor	6.00	50.00
White Perfection....	8.00	75.00	Alma Ward.....	10.00	

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NEW YORK

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PHILADELPHIA

1608-1620 Ludlow Street

WASHINGTON

1212 New York Ave.

WHOLESALE FLOWER MARKETS.—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	CINCINNATI Aug. 15		DETROIT Aug. 15		BUFFALO Aug. 15		PITTSBURG Aug. 15	
Am. Beauty, fan, and Sp.....	15.00	to 20.00	20.00	to 25.00	20.00	to 25.00	25.00	to 30.00
" Extra	10.00	to 15.00	15.00	to 20.00	10.00	to 12.00	15.00	to 20.00
" No. 1.....	8.00	to 10.00	10.00	to 12.00	6.00	to 8.00	10.00	to 15.00
" Lower grades.....	3.00	to 8.00	4.00	to 10.00	2.00	to 4.00	5.00	to 8.00
Richmond, Chateaux, Fan, & Spl.....	5.00	to 8.00	0.00	to 0.00	5.00	to 6.00	0.00	to 8.00
" Lower Grades	3.00	to 4.00	3.00	to 0.00	2.00	to 3.00	2.00	to 4.00
Killarney, Maryland, Fan, & Spl.....	2.00	to 5.00	1.00	to 0.00	5.00	to 6.00	6.00	to 8.00
" Low. Grades.....	3.00	to 4.00	3.00	to 6.00	2.00	to 4.00	2.00	to 4.00
Bride, 'Maid,	2.00	to 4.00	3.00	to 0.00	2.00	to 5.00	0.00	to 10.00
Kaiserin, Carnot, Taft	2.00	to 5.00	3.00	to 0.00	3.00	to 6.00	0.00	to 10.00
CARNATIONS, First Quality .....	.50	to 2.00	1.00	to 1.50	1.50	to 2.00	2.00	to 2.00
" Ordinary	to 1.00	to 1.00	to 1.00	to 1.50	1.00	to 1.50	to 1.00	to 1.00
MISCELLANEOUS								
Cattleyas.....	to 75.00	to 75.00	to 75.00	to 75.00	to 75.00	to 75.00	to 75.00	to 75.00
Lilies, Longiflorum.....	10.00	to 12.50	10.00	to 12.00	10.00	to 12.00	10.00	to 12.50
Lily of the Valley.....	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Gladioli	1.00	to 3.00	3.00	to 4.00	3.00	to 4.00	0.00	to 5.00
Stocks.....	to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	to 1.00
Asters.....	.50	to 2.00	to 2.00	to 2.00	.50	to 2.00	2.00	to 3.00
Daisies.....	to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	to 1.00
Snopdragon.....	to 1.00	to 1.00	to 1.00	to 1.00	2.00	to 3.00	to 3.00	to 3.00
Sweet Peas.....	to 1.00	to 1.00	2.00	to 2.50	.20	to 1.00	.15	to .25
Gardenias.....	to 1.00	to 1.00	to 1.00	to 1.00	0.00	to 1.00	to 1.00	to 1.00
Adiantum.....	to 1.00	to 1.00	1.00	to 1.50	1.00	to 1.50	to 1.50	to 1.50
Smilax.....	to 1.00	to 1.00	to 1.00	to 1.00	2.00	to 10.00	15.00	to 20.00
Asparagus Plumosus, strings (100)	to 40.00	to 40.00	25.00	to 40.00	40.00	to 50.00	30.00	to 50.00
" & Spreng. (100)	to 25.00	to 25.00	2.00	to 40.00	25.00	to 40.00	30.00	to 50.00

supplied with mediums of poor quality. Liliun Longiflorum and Auratum are in fair supply and clean up nicely. The receipts of green goods is ample for all requirements.

Roses and Gladioli continue to arrive in large quantities. It requires a good deal of skill on the part of the wholesalers to dispose of the goods to

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NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Aug. 12 1911		First Half of Week beginning Aug. 14 1911	
American Beauty, Fancy and Special.....	15.00	to 20.00	15.00	to 25.00
" " Extra.....	5.00	to 12.00	6.00	to 12.00
" " No. 1.....	2.00	to 4.00	.....	to 5.00
" " Lower Grades.....	.50	to 1.00	.50	to 1.00
Richmond, Chatsenay, Extra and Special.....	2.00	to 4.00	2.00	to 4.00
" " Lower Grades.....	.50	to 1.00	.50	to 1.00
Killarney, My Maryland, Extra and Special.....	2.00	to 6.00	2.00	to 4.00
" " Lower Grades.....	.50	to 1.00	.50	to 1.00
Bride, 'Haid.....	.50	to 3.00	.50	to 3.00
Kaiserin, Carnot, Taft.....	2.00	to 6.00	1.00	to 6.00
Carnations, First Quality.....	1.00	to 1.50	1.00	to 1.50
" " Ordinary.....	.50	to .75	.50	to .75

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10,000... \$1.75; 50,000... \$7.00. Sample free.
For sale by dealers

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Simple methods of correct accounting
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Books Balanced and Adjusted
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Telephone, Main 58.



Flower Market Reports

(Continued from page 1)

the advantage of all. Asters are also coming in better and more of them, still their inferior quality as compared to former seasons ought to give Gladioli a better show than last year. Many retailers report the booking of wedding decorations for next September, indicating quite an activity in early fall weddings.

Trading last week **PHILADELPHIA** was rather lifeless and on the

whole did not compare favorably with the week before. There was a distinct falling off in volume, and there were few if any bright spots to make the situation cheerful. Asters show no improvement in quality. Usually by this date we have fine Crego's and Vick's Upright and Branching but none of these have materialized so far. Even the quantity of the regular stock has fallen off. Low prices prevail. Gladioli have also diminished in volume, and while they sell fairly well the prices are anything but satisfactory. In the rose market the American Beauty is still by far the best value. Some very superior stock is coming in from the cooler climate of down east; very good as to size and stem and excellent deep color. Still, even these feel the effect of the sluggish market, and are not going out any too briskly. Marylands are pretty good; so are Killarneys. It is rather a remarkable thing that pink roses are going off better than white while it is mid-August when there is little going on except memorial work. But so it is. White roses have been very sluggish for the week. There are not so many white Killarneys but there are plenty of good Kaiserins. Practically nothing doing in carnations. We used to have some good outside flowers about now. This seems to have been abandoned and appears to be a mistake on the part of the growers. Orchids are off crop and there is great difficulty in filling what few orders are coming in. Lily of the Valley, Gardenias, and Easter Lilies are in fair demand and are of excellent quality. Ferns and all kinds of greens too plentiful.

The wholesale market **ST. LOUIS** as well as the retail business is mighty dull just now. The market is crowded with all kinds of stock and a great deal is going to waste for want of demand. Roses are selling at cheap prices. Carnations are still small and short-stemmed. A correct price on asters is hard to get, as any old price

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Tel. 4591 Main

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Aug. 12 1911		First Half of Week beginning Aug. 14 1911	
Cattleyas.....	20.00	to 50.00	20.00	to 50.00
Lilies, Longiflorum.....	4.00	to 5.00	4.00	to 5.00
Lily of the Valley.....	1.00	to 3.00	1.00	to 3.00
Gladioli.....	.60	to 3.00	.50	to 2.00
Stocks.....	.50	to .75	.50	to .75
Daisies.....	.10	to .25	.10	to .25
Snapdragon.....	1.00	to 2.00	1.00	to 2.00
Asters.....	.25	to 3.00	.25	to 3.00
Sweet Peas (per 100 bunches).....	1.00	to 3.00	1.00	to 3.00
Gardenias.....	15.00	to 20.00	15.00	to 20.00
Adiantum.....	.50	to .75	.50	to .75
Smilax.....	5.00	to 8.00	5.00	to 8.00
Asparagus Plumosus, strings.....	10.00	to 35.00	10.00	to 35.00
" " & Sprigs (100 bchs).....	10.00	to 20.00	10.00	to 20.00

will buy. A few hundred gladioli and single tuberosa stalks are in the same boat. The hot weather has returned and the business seems duller than ever. The retailers say that only funeral work keeps them alive nowadays. The market is also over-crowded with a lot of small out-door stock which is hard to dispose of at any price, this state of affairs, plenty of stock and no business is likely to continue throughout the month.

PHILADELPHIA NOTES.

Mr. Strohlein of Dreer's is now in Europe. He left August 8th on the Kaiser Wilhelm II. Expected back home end of September.

B. Eschner and a corps of able assistants did themselves proud at the convention for our great Philadelphia supply house, M. Rice & Co.

The sympathy of the trade is with Frank L. Polites—suffering from a broken shoulder. The accident occurred July 28th, at a children's picnic. Mr. Polites broke the fall for some children, in a swing which proved insecure; but in doing so got the worst of it himself. On the 14th inst. he was reported to be on the mend all right.

Clarence Watson, of the Leo Niessen Co., has returned from his vacation at Wildwood, N. J., and Bucks Co., Pa., looking invigorated and fit. Mr. Watson has had some bad spells in recent years. Fine instruments are easily deranged, unless they get exquisite care. The tuneful little fiddle is in tune again. Glory be.

"Mac," an unknown correspondent of one of our more or less esteemed contemporaries says the "Bard of Philadelphia" (whoever he may be), made a sermon on locality and cabbage! On the contrary, one writer talked of locality and brains. Who ever heard of brains in a cabbage. And as for the "Bard of Philadelphia"—our dear friend Wm. K. Harris went to his last reward in 1910—and he has had no

successor. He never had a rival. If "Mac" can't distinguish the difference between brains and cabbage, he is a fit subject for Dr. Wiley. Or, shall we leave him to the tender mercies of McCabe! The "Mac's" seem to be in the Dutch class this August.

Arthur Niessen and Clarence Watson represented the Leo Niessen Co. at the Baltimore convention.

The glass manufacturers and dealers are still bemoaning low prices. This amusing card emanating from the office of E. H. Flood greeted us in the mails the other morning, and shows clearly the state of mind they are in at present:

"Count that day lost
Whose low descending sun
Saw prices shot to h—ll
And business done for fun."

They all wait that prices have gone to the bow-wows, and that there are no profits in the business any more. And you may go bail, as Tom Daly says—"You may go bail, they make the tale wid fanciful adornin." By all means let us have higher prices for glass; then we won't build so much and maybe there will be less competition for the cut flower market.

Visitors: E. A. Seidewitz, Baltimore, Md.; Daniel E. Gorman, Williamsport, Pa.; Mr. McCallum, McCallum Co., Pittsburg, Pa.; Philip Breitmeyer, Detroit, Mich.; Percy Barnard, Northbrook, Pa.; I. B. Coles, Woodstown, N. J.

INCORPORATED.

New York, N. Y.—Leikens, florists and nurserymen, capital \$15,000. Incorporators, Jerome C. Leikens, Nathan Schwab, John B. Coppola, all of New York.

Ashtabula, O.—The Tong & Weeks Co., capital stock \$20,000. This is a consolidation of Ashtabula Greenhouse Co. and Tong & Weeks. H. Tong will take charge of the greenhouses and De Forest Weeks will take charge of the store.

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Strong seedlings,
50c per 100; \$4.00 per 1000 prepaid.
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ARTSTONE FLOWER VASES

Patrick Grace, Brighton, Mass.
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A. Leuthy & Co., Roslindale, Mass.
Asparagus Plumosus Nanus.
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A. N. Pierson, Inc., Cromwell, Conn.
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Asparagus Sprengerii, large 4-inch, \$1.50
per doz., \$10.00 per 100. Edw. Doege, 4344
N. Springfield Ave., Chicago, Ill.

Asparagus plumosus, 2 in., \$3.00 per 100.
Asparagus Sprengerii, 2½ in., \$2.00 per 100.
Cash. John Bauscher, Jr., Freeport, Ill.

Asparagus Sprengerii. Strong 3-in. plants
good stock for benching, \$4.50 per 100.
Cash. O. R. Kenrick, 52 Alexander Ave.,
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Elmer D. Smith, Adrian, Mich.
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P. Ouwerkerk, Hoboken, N. J.
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BAY TREES

A. Leuthy & Co., Roslindale, Mass.
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Bobblink & Atkins, Rutherford, N. J.
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Bay Trees and Box Trees, all sizes
Write for special List

Julius Roehrs Co., Rutherford, N. J.

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Lorraine Begonias.

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Kroetchell Bros. Co., 466 Erie St., Chicago.
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15,000 Bouvardias (single). Good strong
2½ in. pink, white and a few red, \$2.50 per
100; \$22.50 per 1000. Cash please. Morel
Bros., 622 E. Market St., Scranton, Pa.

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BOXWOOD TREES—Continued

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Box Trees all sizes. Ask for special list.

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A. T. Boddington, 342 W. 14th St., N. Y.
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Rickards Bros., 37 East 19th St., New York.
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Henry F. Michell Co., Philadelphia, Pa.
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T. J. Grey & Co., 32 and 33 So. Market St.,
Boston.

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Ralph M. Ward & Co., 12 W. Broadway,
New York.

Horseshoe Brand.

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James Vick's Sons, Rochester, N. Y.
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Loechner & Co., New York, N. Y.
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John Lewis Childs, Flowerfield, L. I.
Fall Bulbs.

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The W. W. Barnard Co., Chicago, Ill.
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Yokohama Nursery Co., Ltd., New York,
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Calla Bulbs.

Fottler, Fiske, Rawson Co., Boston, Mass.
Paper White Narcissus, White Romans.

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Bulbs and Roots for Fall Planting.

For page see List of Advertisers.

CACTI

My choice, 25 var., \$3.00; 50 var., \$8.00;
100 var., \$25.00; 100 in 10 var., \$10.00; succu-
lents, 20 var., \$1.00; 50 var., \$4.00; 100
var., \$12.00; 100 in 10 var., \$4.00. Cash with
order. Charges paid. A. G. Greiner, 4419
Natural Bridge Rd., St. Louis, Mo.

CANNAS

R. Vincent, Jr. & Sons Co.,
White Marsh, Md.

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CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per
1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CEMENT BENCHES

E. H. Hunt, Chicago, Ill.

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CHRYSANTHEMUMS

Elmer D. Smith, Adrian, Mich.
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Herrington's book on the Chrysanthem-
um mailed to your address for 50c., by
Horticulture Publishing Co., 11 Hamilton
Place, Boston.

Chrysanthemums, rooted cuttings, Mon-
rovia, Polly Rose, \$12.00 per 100. Vinca
Var., 4 in. pots, fine full plants, \$12.00 per
100. Ivy, English, 4 in., \$12.00 per 100.
Chas. Lenker, Freeport, L. I., N. Y.

Chrysanthemum, rooted cuttings, R. Hal-
liday, Amorita, Ivory, Yellow Jones, Min-
nie Bailey, Y. Bonaffon, Rosiere, Polly
Rose, \$10.00 per 1000. Cash please. Hil-
pert & Hammen, 313 Belair Road, Balti-
more, Md.

CHRYSANTHEMUM CANES

Wm. Elliott & Sons, New York, N. Y.
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CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
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Chicago Carnation Co., Joliet, Ill.
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Skidelsky & Irwin, Philadelphia, Pa.
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I. M. Rayner, Greenport, N. Y.
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FIELD GROWN CARNATIONS—White
Enchantress, Fair Maid, Harry Fenn, Law-
son, Winsor, Queen, Beacon. Thomas
Capers, Wellesley Hills, Mass.

50,000 full-grown Carnation Plants: Dor-
othy Gordon, Pink Delight and White En-
chantress, \$8.00 per 100; \$75.00 per 1000.
Enchantress, White Perfection and Winsor,
\$7.00 per 100; \$60.00 per 1000. A. L. Young
& Co., 54 West 25th St., New York, N. Y.

FIELD-GROWN CARNATION PLANTS DIRECT FROM THE GROWER.

	100	1000
Light Pink Enchantress.....	\$7.00	\$60.00
Rose-Pink Enchantress.....	7.00	60.00
Lawson-Enchantress	7.00	60.00
White Enchantress	8.00	70.00
White Perfection	7.00	65.00
Sangamo	8.00	75.00
Alvina	7.00	65.00
Dorothy Gordon	8.00	75.00
May Day	7.00	65.00
Pink Delight	7.00	65.00
Victoria	7.00	60.00
Georgia	7.00	60.00
Afterglow	7.00	60.00
Beacon	6.00	55.00
Winsor	7.00	60.00
Victory	7.00	60.00
Harlowarden	6.00	55.00
Patten	6.00	55.00
B. Market	6.00	55.00
Queen	6.00	55.00
Lady Bountiful	6.00	60.00

All of the above plants are in fine con-
dition, clean, thrifty and vigorous, guar-
anteed in every way. If on receiving any
of the above plants they are not as repre-
sented, they can be returned at once and
your remittance will be refunded. It pays
to buy good stock such as we grow; they
will produce twice as many blooms as the
cheaper grades offered. Stock ready for
shipment now. Cash with order.

HOWARD P. KLEINHANS,
66 Centre Square, Easton, Pa.

CINERARIAS

Cineraria, the largest flowering grown,
strong stock, 2-in., \$2.00 per 100. Cash
please. J. W. Miller, Shiremanstown, Pa.

Cinerarias, best strain dwarf, 2½ in., \$2.00
per 100; 300 for \$5.00. J. C. Schmidt, Bris-
tol, Pa.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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CUT FLOWER BOXES

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made.
Write for list. Holton & Hunkel Co., Mil-
waukee, Wis.

CYCLAMENS

Cyclamen Giganteum, fine, 3-in. stock,
\$5.00 per 100. Cash please. J. W. Miller,
Shiremanstown, Pa.

Cyclamen—Best Varieties in different
colors, 3 inch pots, strong plants, \$10.00
per 100, \$80.00 per 1000. Julius Roehrs
Company, Rutherford, N. J.

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DAHLIAS

Herbert, Acto, N. J.

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R. Vincent, Jr. & Sons Co., White Marsh, Md.

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Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

Dahlias, divided roots, from 1 to 3 eyes to the piece. Send for list and get the latest varieties. W. P. LOTHROP, Brockton Dahlia Farm, E. Bridgewater, Mass.

DAHLIAS NEW FOR 1911.

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williamstown Junction, N. J., Post Office, Berlin, N. J.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

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John Scott, Brooklyn, N. Y.

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EVERGREENS

New England Nurseries, Bedford, Mass.

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Bobbink & Atkins, Rutherford, N. J.

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John Scott, Brooklyn, N. Y.

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Frank Oechslein, 4911 Quincy Street, Chicago.

Ferns for Dishes.

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Robert Craig Co., Philadelphia, Pa.

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F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

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Joseph Heacock, Wyncote, Pa.

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The George Wittbold Co., Chicago, Ill.

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Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. E. Anderson, Fern Specialist, Shot Hills, N.J.

Bostons, strong 5 and 6-inch plants from bench ready by Oct., \$15.00 and \$25.00 per 100. Edw. Doege, 4344 N. Springfield avenue, Chicago, Ill.

FERTILIZERS

20th Century Plant Food Co., Beverly, Mass.

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Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.

Wizard Brand Cattle Manure.

Hardwood ashes, best fertilizer on earth for lawns and gardens. George Stevens, Peterborough, Ont., Canada.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.

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FLORISTS' LETTERS

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.

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FLORISTS' SUPPLIES

N. F. McCarthy & Co., 84 Hawley St., Boston.

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H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.

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M. Rice & Co., 1220 Race St., Phila., Pa.

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Hilfinger Bros., Ft. Edward, N. Y.
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Syracuse Pottery Co., Syracuse, N. Y.
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Peters & Reed Pottery Co., Zanesville, O.
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FOR-GET-ME-NOTS

For-Get-Me-Not's, Victoria and Royal Blue, nice large plants from seed bed, 50c. per 100; \$2.50 per 1000. M. B. Saunders Co., 25 Burnett St., Providence, R. I.

FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.
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Kervan Co., New York.
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H. M. Robinson & Co., 15 Province St.
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W. M. Woodruff & Son, Lowgap, N. C.
Green Galax, New Crop.

GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.
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John Lewis Childs, Flowerfield, L. I., N. Y.
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Frank Banning, Kinsman, O.
New Gladiolus Niagara.
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Silver Trophy and Florist Mixture Gladiolus bulbs, 10,000, large also small sizes, for sale in October. S. E. Spencer, Roslindale, Mass.

GLASS

Boston Plate & Window Glass Co., Boston.
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Standard Plate Glass Co., 26-30 Sudbury St., Boston.

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Foley Mfg. Co., Western Ave., between 25th and 26th Sts., Chicago.

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Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.

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Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.

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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
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GRATE BARS

Broadway Iron Foundry, Cambridgeport, Mass.

GREENHOUSE GLAZING PUTTY

E. H. Hunt, Chicago, Ill.

Elastic-Lyke.

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A. T. Stearns Lumber Co., Neponset, Boston.

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J. C. Moninger Co., 117 East Blackhawk St., Chicago, Ill.

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Hitchings & Co., 1170 Broadway, N. Y.

Lord & Burnham,

1133 Broadway, New York.

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Pierson U-Bar Co., Madison Ave., New York
Designer and Builder.

GUTTERS

King Construction Co., N. Tonawanda, N. Y.
King Channel Gutters.

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HAIL INSURANCE

Florists' Hall Assn. of America.

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28 and 40 Broadway, Detroit, Mich.

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Bobbink & Atkins, Rutherford, N. J.

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Revere Rubber Co., Boston, Mass.

Revere Garden Hose.

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Lord & Burnham Co., 1133 Broadway, N. Y.
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HYDRANGEAS

F. R. Pierson Co., Tarrytown-on-Hudson,
New York.

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In writing to Advertisers kindly mention Horticulture

INSECTICIDES

Eastern Chemical Co., Boston, Mass.
Imp. Soap Spray.
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Nicotide kills all greenhouse pests.
P. R. Palethorpe Co., Owensboro, Ky.
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Stump & Walter Co., New York.
Kiln-dried Tobacco Dust.
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Aphine Manufacturing Co., Madison, N. J.
Aphine.
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E. H. Hunt, Chicago, Ill.
To-Bak-line Products.
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Wilson Plant Oil and Fertilizer Co., New York, N. Y.
Wilson Plant Oil.
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Hammond's Paint & Slug Shot Works,
Fishkill-on-Hudson, N. Y.
Hammond's Copper Solution and Slug Shot.

Acme Nicotine Insecticides sold direct to the grower. Acme 45 per cent. Liquid, pint \$1.75; gallon \$12.50. Acme Fumigating Paper, case of 288 sheets \$5.50. Sample can of 24 sheets 60 cents, postpaid. J. P. Beermaker, 9 Washington Ave., St. Louis, Mo.

GYPSY MOTH CREOSOTE.

The original Gypsy Moth Creosote, made especially by us for the Gypsy Moth Commission. Limpid at all temperatures, completely penetrates the nest; kills all eggs. Samuel Cabot, Inc., Mfg. Chemists, Boston, Mass.

JAPANESE LILIES

Loechner & Co., New York, N. Y.
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LANDSCAPE GARDENING COURSE.

Home Correspondence School, Springfield, Mass., Dept. 8.
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R. & J. Farquhar & Co., Boston, Mass.

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Nicotine Mfg. Co., St. Louis, Mo.

NURSERY STOCK

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Hardy, Northern Grown Stock.
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Franklin Davis Nursery Co., Baltimore, Md.
Trees.

F. A. Bolles, Brooklyn, N. Y.

Vinca Minor.
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TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00 by Horticulture Publishing Co., 11 Hamilton Place, Boston.

ONION SETS

Leonard Seed Co., Chicago, Ill.
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For Sale. Winter Onion Top Sets, select stock. A. S. Pett, Crawfordsville, Ind.

Egyptian Winter Top onion sets, good stuff, \$2.25 bushel. J. F. Hammar, Nashua, N. H.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
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Ordenez Bros., Madison, N. J., Box 108.
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Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
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Orchids—largest stock in the country. Stove plants and Crotons, finest collection. Julius Roehrs Co., Rutherford, N. J.

Orchid Growers' Manual. By B. S. Williams, 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

Edward V. Low, late of Hugh Low & Co., dissolved, Vale Bridge, Haywards Heath, England. "White" Cattleyas and Choice Cypripediums are leading features.

PALMS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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Henry F. Mitchell Co., Phila., Pa.
Giant Exhibition Pansies.
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PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
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PECKY CYPRESS BENCHES

Foley Mfg. Co., Chicago.
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A. T. Stearns Lumber Co., Boston, Mass.
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PEONIES

S. G. Harris, Tarrytown, N. Y.

Peony Chinensis divisions. 2 to 3 eyes, Humel late pink and Hortense, Tyrian red \$3.00 per 100; Festiva alba, early white, Duchess de Orleans, early pink, Comte de Jussier very early white and sulphur, \$5.00 per 100. Cash with order. Thomas J. Oberlin, Sinking Spring, Pa.

PEONIES—1200 sorts, an enormous stock List ready. C. Betscher, Canal Dover, O.

Peonies in any quantity. Write for prices on list of your wants. Gilbert H. Wild, Sarcoxie, Mo.

Peonies, over 500 varieties, embracing most of the finest foreign and American varieties. Send for list. W. L. Gumm, Peony Specialist, Remington, Ind.

PETUNIAS

Petunias (Dreer's), mixed, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

PHOTOGRAPHS

I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan R. Graves, 414 Hayward Bldg., Rochester, N. Y.

PLANT STAKES

Seele's Tieless Plant Stakes and Trolises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

PIPE AND FITTINGS

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Kroeschell Bros., Co. 466 Erie St., Chicago.
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Metropolitan Material Co., Brooklyn, N. Y.

POINSETTIAS

Skidelsky & Irwin Co., Philadelphia, Pa.
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POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. L. N. Kramer & Sons, Cedar Rapids, Iowa.

PRIMULAS

Primulas Chinese, fine plants. 2½ in. \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

PRIVET

John Kulp, Phila., Pa.

California Privet, any quantity, size, age. Others say ours is the best grown. Write for prices; also on shrubbery, ornamentals, fruit trees, asparagus, etc. Franklin Davis Nursery Co., Baltimore, Md.

RHODODENDRONS

P. Ouwerkerk, Hoboken, N. J.
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Own Root and Grafted Roses.
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New Roses for 1912.
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Eastern Nurseries, Jamaica Plain, Mass.
New Roses Originated by Jackson Dawson.

Wanted—Rose plants of any kind
Melrose Garden Co., 90 Melrose St., Providence, R. I.

SCALECIDE

B. G. Pratt Co., New York, N. Y.
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SEED GROWERS

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SEEDS

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Giant Exhibition Pansies.
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W. Atlee Burpee & Co., Philadelphia.
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Arthur T. Boddington, New York
Christmas and Winter Flowering Sweet
Peas.
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R. & J. Farquhar & Co., Boston, Mass.
Flower Seeds for the Florist.
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J. M. Thorburn & Co., 33 Barclay St., N. Y.
Asparagus Plumosus Nanus Seeds.
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Leonard Seed Co., Chicago, Ill.
Beans, Peas, Sweet Corn, Onion, Turnip.
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Wm. Elliott & Sons, New York.
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James Vick's Sons, Rochester, N. Y.
All Leading Varieties of Seeds.
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Skidelsky & Irwin Co., Philadelphia, Pa.
Home Grown Pansy Seed.
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J. Boigiano & Son, Baltimore, Md.
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Hjalmar Hartmann & Co.,
Copenhagen, Denmark.
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Francis Brill, Hempstead, L. I., N. Y.
Choice Seeds for Gardeners and Truckers.
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SPHAGNUM MOSS

The W. W. Barnard Co., Chicago, Ill.
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Live Sphagnum moss, orchid peat and
orchid baskets always on hand. Lager &
Hurrell, Summit, N. J.

Ten bales sphagnum moss, \$7.00. Z. K.
Jewett Co., Sparta, Wis.

SPRAYERS

Chas. J. Jager Co., Boston, Mass.
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SUN DIALS

Patrick Grace, Brighton, Mass.
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TREE RENOVATION

John T. Withers, Inc., Jersey City, N. J.
For page see List of Advertisers.

VALLEY PIPS

Hjalmar Hartmann & Co.,
Copenhagen, Denmark.
For page see List of Advertisers.

Lochner & Co., New York, N. Y.
For page see List of Advertisers.

VARIEGATED PINEAPPLES

Henry A. Dreer, Philadelphia, Pa.
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VENTILATING APPARATUS

Foley Mfg. Co., Chicago.
For page see List of Advertisers.

The Advance Co., Richmond, Ind.
Improved Ventilator Arm.
For page see List of Advertisers.

WIREWORK

Reed & Keller, 122 W. 25th St., N. Y.
For page see List of Advertisers.

J. Jansky, Boston, Mass.
For page see List of Advertisers.

Wirework. Write for our catalogue.
Holton & Hunkel Co., Milwaukee, Wis.

William E. Hellscher's Wire Works, 38-40
Broadway, Detroit, Mich.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

WOOD PRESERVATIVE

Conserve Wood Preservative doubles the
life of all exposed lumber. Preserves
benches, posts, sills or planking. Costs
2c. a stick, and saves ten times its cost.
Samuel Cabot, Inc., Mfg. Chemists, Boston,
Mass.

WHOLESALE FLORISTS**Boston**

N. F. McCarthy & Co., 84 Hawley St.
For page see List of Advertisers.

Weich Bros., 226 Devonshire St.
For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St.
and 9 Chapman Pl.
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Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.
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Chicago

Peter Reinberg, 51 Wabash Ave.
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Poehlmann Bros. Co., Morton Grove, Ill.
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J. A. Budlong, 37-39 Randolph St.
For page see List of Advertisers.

Chicago Flower Growers' Association,
176 N. Michigan Ave.
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Cincinnati, Ohio

The J. M. McCullough's Sons Co., 316
Walnut St.
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Cromwell, Conn.

A. N. Pierson, Cromwell, Conn.
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Detroit

Michigan Cut Flower Exchange, 38 and 40
Broadway.
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New York

M. C. Ford, 121 W. 28th St., New York
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H. E. Froment, 57 W. 28th St., New York.
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H. C. Horan, 55 W. 28th St., New York.
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WHOLESALE FLORISTS—Continued**New York—Continued**

A. H. Langjahr, 55 W. 28th St., New York.
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James McManus, 55 W. 28th St., New York.
For page see List of Advertisers.

W. F. Sheridan, 133 W. 28th St., New York.
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Wm. H. Kuebler, 28 Willoughby St.,
Brooklyn, N. Y.
For page see List of Advertisers.

Moore, Hentz & Nash, 55 and 57 W. 26th
St., New York.
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Greater New York Florists' Association,
162 Livingston St., Brooklyn, N. Y.
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A. L. Young & Co., 54 W. 28th St., N. Y.
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Charles Millang, 55 and 57 West 26th St.
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P. J. Smith, 49 West 28th St., N. Y.
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Frank Millang, New York, N. Y.
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Traendly & Schenck, New York, N. Y.
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Badgley, Riedel & Meyer, Inc., New York
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A. Moltz & Co., New York, N. Y.
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Siebrecht & Siebrecht, 136 West 28th St.,
New York.
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Philadelphia

Leo. Niessen Co., 1209 Arch St., Phila., Pa.
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The S. S. Pennock-Meehan Co., 1608-12
Ludlow St., Philadelphia, Pa.
For page see List of Advertisers.

Rochester, N. Y.

George B. Hart, 24 Stone St.
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New Offers in This Issue.**ANNUAL SALE OF STALLS.**

Boston Flower Exchange, Boston, Mass.
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CELERY PLANTS.

Warren Shinn, Woodbury, N. J.
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FIELD GROWN CARNATIONS.

A. L. Young & Co., New York, N. Y.
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FIELD GROWN CARNATION PLANTS.

S. S. Pennock-Meehan Co., Phila., Pa.
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FLOWER BUSINESS FOR SALE.

F. J. Sullivan, Springfield, Mass.
For page see List of Advertisers.

MICHELL'S COLOSSAL MIGNON-ETTE.

Henry F. Michell Co., Phila., Pa.
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PAEONIES.

W. L. Gumm, Remington, Ind.
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PALMS AND FERNS.

Joseph Heacock, Wynnton, Pa.
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PHOENIX ROEBELENI.

Henry A. Dreer, Inc., Phila., Pa.
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SALE OF STALLS.

Boston Cooperative Flower Market, Boston, Mass.
For page see List of Advertisers.

In writing to Advertisers kindly mention Horticulture

Landscape Gardening

A. H. Hews & Co., flower pot manufacturers, have erected another clay storage shed this summer at North Cambridge, Mass., 52x190 ft. and 30 ft. high. This company uses nearly 10,000 tons of clay each year in the manufacture of flower pots.

FOR "POT LUCK" TRY US..

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

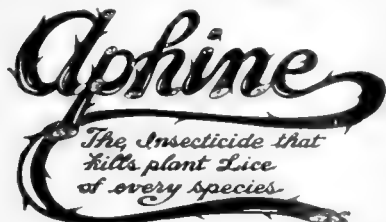
WORLD'S LARGEST MANUFACTURERS

WRITE FOR CATALOGUE AND DISCOUNTS

Pearson Street,
LONG ISLAND CITY, N. Y.

A. H. HEWS & CO., Inc.

Main Office and Factories
CAMBRIDGE, MASS.



Destroys green, black and white fly, red spider, thrips, mealy bug, brown and white scale, and all soft-bodied insects. An excellent cleanser for decorative stock. Used as a spray, you can rely on it for positive results, without fear of failure or dissatisfaction.

\$2.50 per gallon, \$1.00 per quart.

"FUNGINE"

An infallible remedy for mildew, rust and other fungus diseases. A clean, safe and easily applied spraying material. It has no equal for destroying mildew on roses, and carnation rust.

\$2.00 per gallon, 75c. per quart.

FOR SALE BY SEEDSMEN.

Send for name of nearest selling agent. Our products are not alone endorsed, but are continuously used by leading commercial growers, professional gardeners, park departments and state colleges of the country. Aphine and Fungine can be used in house or field.

MANUFACTURED BY
APHINE MANUFACTURING COMPANY
MADISON, N. J.

KILMDEAD
The best of all
the tobacco
dusts for
Dusting or
Fumigating

25 lbs. \$1.00 100 lbs. \$4.00 1000 lbs. \$27.00
50 lbs. 1.75 500 lbs. 14.00 2000 lbs. \$54.00

Shump & Walter Co. 30 Barclay St. New York, C.

Imp Soap Spray

Clean and odorless. Forms invisible films. Non-corrosive. Usual effective strength, one to thirty-two.

Guaranteed under Food and Drug Act 1910.

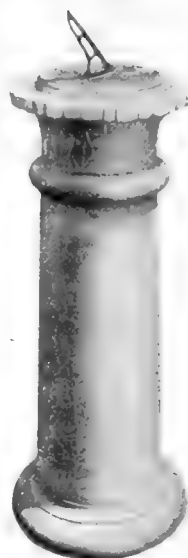
Single gallons, \$1.50

In barrels, \$1.00

Eastern Chemical Company

Pittsburg Street
BOSTON

ARTSTONE FLOWER VASES AND SUN DIALS



Artstone Vases do not, like iron, become so hot in mid-summer as to burn the plants. Artstone is indestructible from exposure, while iron soon rusts, and marble gradually discolours and decays.

Flowers, like gems, require appropriate settings. The artistic beauty of these creations attracts admiration and lends a touch of quiet elegance to the surroundings.

They serve to enhance the beauty of the Lawn or Porch wonderfully.

Popular also for Cemetery decoration. Bird Baths and Sun Dials made to order.

Prices on Application

PATRICK GRACE
55 Union Street
BRIGHTON, MASS.

1000 READY PACKED CRATES

STANDARD FLOWER POTS AND BULB PANS

can be shipped at an hour's notice. Price per crate:

2000 1 1/4 in. @ \$6.00	500 4 in. @ \$4.50
1500 2 " " 4.88	450 4 1/2 " " 5.24
1500 2 1/4 " " 5.25	320 5 " " 4.51
1500 2 1/2 " " 6.00	210 5 1/2 " " 3.78
1000 3 " " 5.00	144 6 " " 3.16
800 3 1/2 " " 5.80	120 7 " " 4.20
	60 8 " " 3.00

HILLFINGER BROS., Pottery, Fort Edward, N. Y.
August Rolker & Sons, 31 Barclay St., N. Y. City Agents.
OUR SPECIALTY—Long distance and export trade.

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts.,

Washington, D. C.

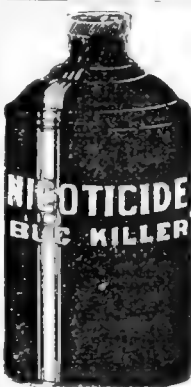
Are You Selling Fruit From your Orchard?

Perhaps you are getting enough for it for your own use from your orchard, but do you have any to sell?

DEMING SPRAYERS

Will help you get "bumper crops." They keep the trees free from insects so they can bear bigger crops of better fruit. Why not raise enough to sell?

Get complete catalogue and prices from
CHARLES J. JAGER COMPANY
2815 FRANKLIN STREET, DIXON, ILL. AND
33 CANAL STREET, NEW YORK, N. Y.



The Best Bug Killer and Bloom Saver

For PROOF
Write to

P. R. Palethorpe Co.
OWENSBORO, KY.

PRATT'S SCALECIDE

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."

S. B. PRATT CO., 50 CHURCH ST., NEW YORK CITY.

In ordering goods please add "I saw it in HORTICULTURE."

Cocoanut Fiber Soil
is being sought after by all growers. Cover your lawns this fall and next summer you can have a green one.
20th CENTURY PLANT FOOD CO.,
27 Ocean St., Beverly, Mass.

Wilson Plant Oil & Fertilizer Company
150 Nassau Street, NEW YORK CITY
Horticultural Supplies
Write for our special Catalogue



ALL THE CLAY FOR OUR

Florist' Red Pots
is prepared by passing through a screen 1000 meshes to the square inch. If in a hurry for pots, order from us.
THE PETERS & REED POTTERY CO.
Zanesville, Ohio

Syracuse Red Pots

"A little pot is soon hot," likewise a thin pot. This will save you fuel. Our pots are the thinnest and toughest owing to the superior quality of the clay.
New price list on application.

Syracuse Pottery Co., SYRACUSE, N. Y.

NEWS NOTES.

Hartford, Conn.—To make room for other buildings the Francis greenhouses are being torn down.

Greenland, N. H.—A. W. Clough will raise carnations this year in the houses he has previously used for cucumbers.

Washington, D. C.—The S. S. Pen-nock-Meehan Co. has purchased at 1216 H street a lot 24 x 100 on which a modern store building will be erected.

Baraboo, Wis.—Property at the corner of Eighth and East streets has been purchased by Ernest Ross, formerly with Wm. Peck. He will erect greenhouses and boiler house on this property.

Concord, N. H.—Fenncroft Farm, owned by H. B. Whitney & Sons, florists, was wrecked by a heavy storm on July 31. Extensive greenhouses, a barn, the ell of the house, trees, etc., were demolished.

Jacksonville, Fla.—C. L. Bragg has purchased the landscape department of C. D. Mills, florist. Mr. Bragg has been connected with "Mills the Florist" for two years, having charge of the landscape department.

Groton, Conn.—Following along the lines laid down by his predecessor, Thos. W. Head, Supt. Flesher is making the charming estate of Morton F. Plant most attractive to the large crowds that visit this place during the summer season.

PATENTS GRANTED.

- 999,908. Extension Tree Prop. Chas. P. Tatro, Seattle, Wash.
 999,930. Garden Tool. Michael Louis Weisel, Camden, N. J.
 1,000,028. Lawn Edger. John C. Lindsey, Los Angeles, Cal.

CYPRESS SASH BARS
 82 feet or longer
HOT BED SASH

PECKY CYPRESS BENCH LUMBER

GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

The A. T. STEARNS LUMBER CO.
NEPONSET, BOSTON, MASS.



DREER'S
 Florist Specialties.
 New Brand New Style.
 Hose "RIVERTON"
 Furnished in lengths up to 500 ft. without seam or joint.
 The HOSE for the FLOWBIST
 3/4-inch, per ft., 15 c.
 Reel of 500 ft., " 14 1/2 c.
 2 Reels, 1000 ft., " 14 c.
 1/2-inch, " 13 c.
 Reels, 500 ft., " 12 1/2 c.
 Couplings furnished.
 HENRY A. DREER,
 714 Chestnut St.,
 PHILADELPHIA, PA.

The FLORISTS' HAIL ASSOCIATION
 OF AMERICA, insurer of 32,500,000
 sq. ft. of glass. For particulars address
 John C. Esler, Sec'y Saddle River, N.J.

KING

GREENHOUSE CONSTRUCTION

IF YOU WANT A GOOD GREENHOUSE
 THAT WILL BE GOOD FOR A LONG TIME
 WRITE TO

KING CONSTRUCTION CO.

HOME OFFICE AND FACTORY
 North Tonawanda
 N. Y.

EASTERN SALES OFFICE
 No. 1 Madison Avenue
 NEW YORK

STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St.

BOSTON, MASS.

61-63 Portland St.

SHARP, PARTRIDGE & CO.

Are Leaders In

GREENHOUSE GLASS

OUR PRICES WILL PROVE THIS.

CHICAGO, ILL.

GLASS

Cheap as Dirt

Have you had any prices on greenhouse glass, lately?

Write us at once for our quotations. We'll surprise you.

Take advantage of the drop and book orders for future deliveries.

Our glass all new and fresh from factory.

Hot-bed sash and greenhouse material, dropped too.

PARSHELSKY BROS., CO.

59 Montrose Ave., BROOKLYN, N. Y.

LOUISIANA RED CYPRESS GREENHOUSE MATERIAL

STEEL GUTTERS, TRUSSES,
 PURLINS, PIPE, FITTINGS, GLASS,
 Etc.

PRIVATE AND CONSERVATORY
 WORK A SPECIALTY.

The Foley Manufacturing Co.

Western Ave. and 26th St., CHICAGO

MASTICA
 FOR Greenhouse Glazing
USE IT NOW.
F. O. PIERCE CO.
 12 W. BROADWAY
 NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

Greenhouse Material and Sash

Of Every Description

Get our Prices and Catalogues.

S. JACOBS & SONS

1359-1385 Flushing Ave.

Est. 1781.

BROOKLYN, N. Y.

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Send your business direct to Wash agton.
 Saves time and insures better service.
 Personal attention guaranteed.
 Twenty-five years' active service.
 SPECIALTY: "Working on the Failure of Others."

SIGGERS & SIGGERS

PATENT LAWYERS

Box 9, National Union Building
 Washington, D. C.

GREENHOUSE CONSTRUCTION LUMBER

John C. Moninger Co.

117 E. Blackhawk St., CHICAGO.

IF you want your greenhouse benches to last
 you want to lessen repair expenses
 you want an up-to-date plant

THEN USE CEMENT BENCHES

You can easily make them yourselves. Others are doing so right along. We furnish the molds, and tell you just how to do it. No expensive labor to hire—you do the work.

Send for booklet and be convinced.

E. H. HUNT, 131 N. Wabash Ave., Chicago, Ill.

ADVANCE VENTILATING APPARATUS



ADVANCE
MACHINE.

We also manufacture a complete line of greenhouse fittings such as pipe carriers, shelf brackets, split tees, split Y fittings, split gutter brackets, etc.

Advance Machine complete.....	\$10.50
Twist-less or elbow arm.....	.25
Hanger complete.....	.08
Shafting pipe, double strength per ft.....	.08
Shafting pipe, single strength per ft.....	.05



TWIST-LESS ARM.

Each is fully described and illustrated in our catalogue J which will be sent to any address upon request.

Write Us To-Day

ADVANCE CO., RICHMOND, IND.

What the Users say

KROESCHELL BOILER

Half the Coal and Half the Work.

"Your No. 13 boiler is carrying 25,000 sq. ft. of glass and I can keep it at 64 degrees in the coldest weather without any trouble. I have three other types of boilers also heating a range of 25,000 sq. ft. of glass, but the No. 13 Kroeschell Boiler **ONLY TAKES HALF THE COAL** and half the work to get the same results."

J. G. FRISZ, Vincennes, Ind.
 P. S.—Mr. J. G. Frisz, of Vincennes, Ind., has the largest range of glass in Indiana devoted to vegetable forcing.

KROESCHELL BROS. CO., 466 W. Erie St., Chicago, Ill.

Send
For Catalogue

BOSTON PLATE & WINDOW GLASS CO.

GREENHOUSE GLASS

GERMAN AND
AMERICAN

261 to 287 A Street

BOSTON

20 to 22 Canal Street

**Holds Glass
Firmly**

See the Point **43**

PEERLESS

Glasgong Points are the best.
 No rights or lefts. Box of
 1,000 points 75 cts. postpaid.

HENRY A. DREER,
 714 Chestnut St., Phila., Pa.

**FULL SIZE
No. 2**





R. A. C. Smith of Belle Haven, Conn., Had Us Build This Beautiful Range Right By His Residence. S. A. Ford is the Superintendent.

ALTHOUGH the photo can scarce do it justice, you can see it is highly ornamental and must be a large one. And it is. The two houses between the Palm House and work room are curved away, while the large wing house is curvilinear which make a highly pleasing combination.

What a difference in this and the houses that used to be built that were so cumbersome and unattractive that they had to be located in an out of the way place. The English you know are in the habit of attaching theirs directly to their residence. We have built some that way up in Montreal. One particularly fine one was

for Hon. Montague Allen. If you think it would interest your employer, will gladly send him a photograph. And how are the prospects for building or making any additions? Would our catalog—the 100 page one—be any help to you? Glad to send it along.

Lord & Burnham Co.,

FACTORIES: IRVINGTON, N. Y.—DES PLAINES, ILL.
NEW YORK St. James Bldg. BOSTON Tremont Bldg. PHILADELPHIA Franklin Bank Bldg. CHICAGO Rookery Bldg.

ELASTIC-LYKE Green House Glazing Putty

Manufactured to meet the ever increasing demands of the man who wants the best. 1-gallon, \$1.40; 5-gallons, \$6.75; 10-gallons, \$13.25; 20-gallons, \$25.45; 1 bbl. (50-gallons) \$62.50.

Hunt's Mackinaw Green for Greenhouses

For SHADING PROPAGATION, FERN, PALM, PLANT and CAR-NATION houses there is nothing equal to Mackinaw Green. It is easy to use and after the first frost is quickly removed from the glass.

1, 2, and 3 gallon cans, per gallon,	\$1.60	5 gallon kits,	\$7.75
10 gallon kits	15.25	25 gallon barrels, 37.40	
50 gallon barrels	\$73.60		

Use 1 gallon of Mackinaw to 20 gallons of gasoline.

SPECIAL—For 30 days we will sell Mackinaw Green at \$1.00 per gallon. This is an introductory offer and no order for over 5 gallons will be accepted at this price.

Special quotations to Jobbers on Elastic-Lyke and Mackinaw Green.

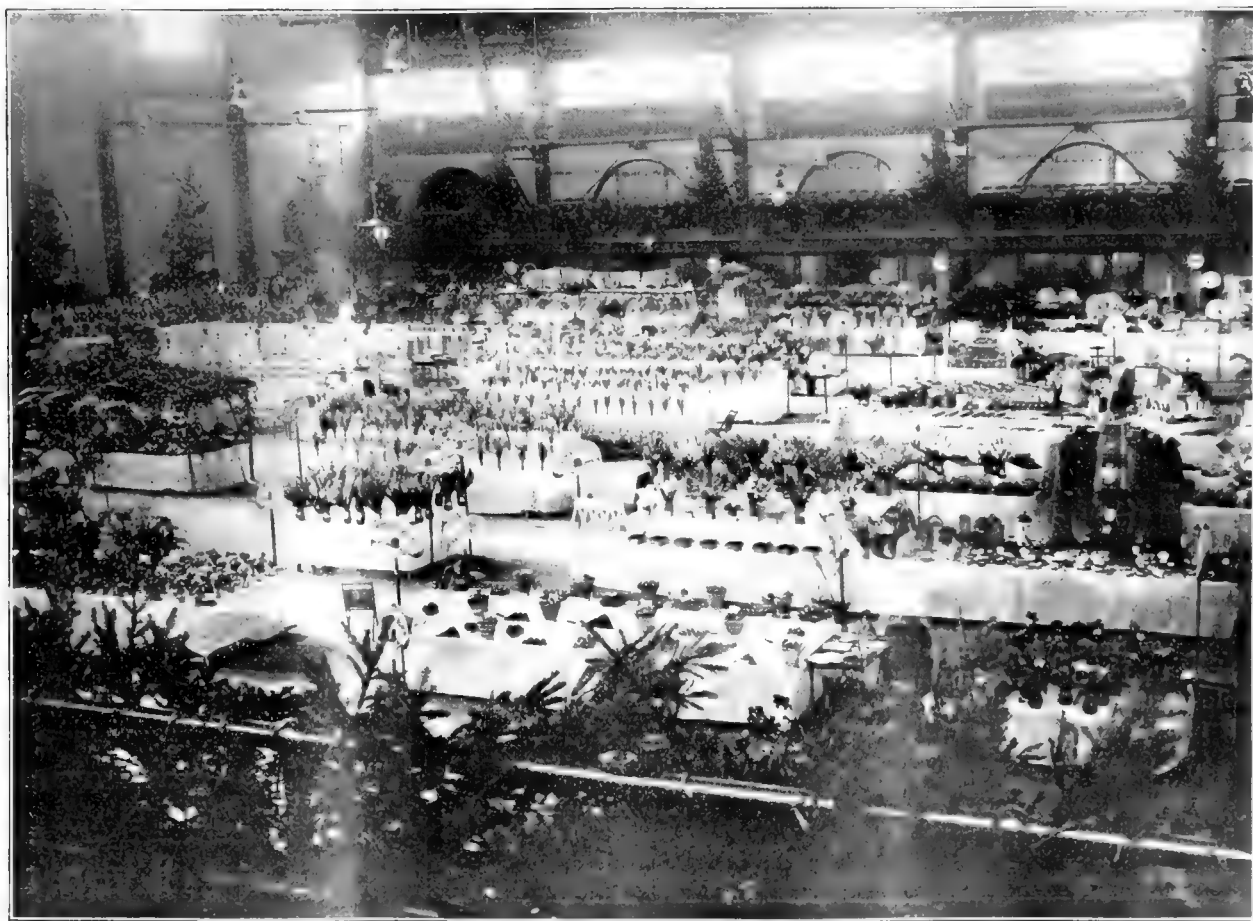
E. H. HUNT, 131 N. Wabash Ave., CHICAGO, ILL.

HORTICULTURE

Vol. XIV.

AUGUST 26, 1911

No. 9



PARTIAL VIEW OF SOCIETY OF AMERICAN FLORISTS EXHIBITION AT BALTIMORE, MD.

*Devoted to the
FLORIST, PLANTSMAN,
LANDSCAPE GARDENER,
and
Kindred Interests*

*Published
EVERY SATURDAY
At 11 Hamilton Place,
BOSTON, MASS.
Subscription, \$1.00*

U KNOW US**LET'S KNOW U****ANOTHER PRIZE WINNER
OUR WORLD'S BEST CYCAS LEAVES**

We AGAIN show OUR LEADERSHIP by receiving honorable mention at the Baltimore Convention for our 'World's Best Cycas Leaves. Awarded by the judges for the most NATURAL and PERFECT CYCAS LEAF ever shown; cannot be distinguished from the fresh cut leaf.

A soft, pliable, natural green colored leaf.

We are the sole distributors in the United States for the World's Best Cycas Leaves.

Write to-day, and be up-to-the-minute in showing your trade the finest cycas leaf ever shown.

KATALOG for the asking.

The Leading Florists' Supply House and Ribbon Specialists

M. RICE & CO., 1220 Race Street,
Philadelphia, Pa.

Manufacturers—Importers—Originators

TIME TO START UP

We Need Room. Come and See the Stock.

Lorraine Begonias, Poinsettias, Cyclamens, Chrysanthemums in Pots, Primulas, Genistas, Araucarias, Palms, Asparagus plumosus and Sprengerii, Boston Ferns, Adiantums, Mixed Ferns, Cycas. All First Class Stock.

WRITE FOR PRICES.

WM. W. EDGAR CO. - Waverley, Mass.

PALMS, FERNS, DECORATIVE AND FOLIAGE PLANTS

Also Azaleas, Begonias, Bay and Box Trees

A. LEUTHY & CO.

Perkins Street Nurseries, Roslindale, Boston, Mass.

PALMS, FERNS AND DECORATIVE PLANTS

JOHN SCOTT

Rutland Road and E. 45th St.
Tel. 2890 Bedford **BROOKLYN, N.Y.**

FERNS FOR DISHES

Assorted varieties, 2-in. pots, \$3.50 100.
\$30.00 1400; 500 at 1000 rate.

Cash with order

FRANK OECHSLIN

4911 Quincy St., - CHICAGO, ILL.

BEST PALMS

All Varieties, All Sizes.
Send for Price List

Joseph Heacock
Wyncote, Pa.

Boston Ferns

4½ inch from bench.....Each 10c
3½ inch from bench.....Each 7c
2½ inch from bench, \$30.00 per
1000Each 3c

Nephrolepis Whitmanii

2½ inch....\$5.00 per 100, \$40.00 per 1000

Nephrolepis Magnifica

2½ inch\$15.00 per 100
3½ inch, pot grown 25.00 per 100

We Stand Back of Our Goods and
Guarantee Safe Arrival of Shipments to
All Parts of United States and Canada.

HENRY H. BARROWS & SON
Whitman, Mass.

Araucaria Excelsa

5 in., 3 to 4 tiers 40c. and 50c.; 5½ to 6 in.,
4, 5 and 6 tiers, 60c., 75c. and \$1.00; 7 in.,
25, 30, 40 and 50 in. high, for lawns and
porches, \$1.50 to \$2.00.

Cash with order, please.

Godfrey Aschmann

Wholesale Grower, Shipper and Importer of
Pot Plants.

1012 West Ontario St.,
PHILADELPHIA, - PA.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.

When Writing to Advertisers Please Mention
HORTICULTURE.

GERANIUMS....

We have no hesitation in claiming that our collection of Standard Varieties stands pre-eminent among such collections in the country, as far as only distinct and useful varieties are concerned. It is the result of the most careful selection from hundreds of varieties, from the foremost European and American Introducers, and comprises only those sorts which years of experience have taught us are the very best in their several different classes, and which can be depended on to produce the most satisfactory results, and which represents the highest standard of development yet obtained in its special class or color.

In keeping our list up to this high standard we are continually adding many of the newer introductions and discarding some of the old sorts which have been favorites but are now superseded by others which are more beautiful in form, greater in substance, more exquisite in color, more satisfactory in growth.

We have prepared to propagate these in large quantities, having added thousands of plants to our already large stock. If you can use them in large quantities write us and we may be able to make you special price.

We are booking orders for DAHLIA & CANNA roots for fall delivery. Send for List.

R. VINCENT, JR., & SONS CO., White Marsh, Md.
Growers of Plants for the Trade

ROSES

OWN ROOT—FINE STOCK

White Killarney } from 3 in. pots . . \$8.00
Richmond }
Pink Killarney, Chateau, Kaiserin.
Perles, Sunrise, Sunset, from 3
inch pots . . \$8.00
Bride, Bridesmaid, Golden Gate.
\$60.00 per 1,000. \$7.00

GRAFTED
Fine Stock, 3 inch pots
Pink Killarney, White Killarney, Bride,
Bridesmaid, Kaiserin, My Maryland.
\$15.00 per 100

WOOD BROS., Fishkill, N.Y.

CARNATIONS

FIELD GROWN
FINE, HEALTHY STOCK

Enchantress	} \$7.00	Per 100	Per 1000
Rose Pink Enchantress			
Bay State	} \$6.00	\$55.00	
Georgia			
Mrs. T. W. Lawson			
Red Lawson			
Variegated Lawson			
White Lawson			
Winsor	} \$6.00	\$55.00	
Crimson Beauty			

CHRYSANTHEMUMS

AND

ASTER SEED

Elmer D. Smith & Co.
ADRIAN, MICH.

ORCHIDS

Greatest quantity and variety in the country. Established and freshly imported. Also material in which to grow them.

Write for special list and catalogue.

LAGER & HURRELL, SUMMIT N. J.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World

SANDER, St. Alban's, England
and 258 Broadway, Room 721
NEW YORK CITY

ORCHIDS

PLANTS and FLOWERS always on hand
ORDONEZ BROS.
Madison, New Jersey

ROEHRS

Orchids, Azaleas, Palms,
Lorraines, Crotons
RUTHERFORD, N. J.
LORRAINE BEGONIAS

Strong 2 1/4 in. stock, ready for 3 1/2 in.
Per 100, \$15.00; 250 at \$14.00 per 100
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In writing to Advertisers kindly mention Horticulture

Seasonable Notes on Culture of Florists' Stock

CARNATIONS TO POT CULTURE

Retail plant growers who intend to grow pot carnations for winter plant trade, should have the stock potted up not later than the last week in September, as they will lift any time before this date better than after it. Use a good fibrous soil and about one-third of manure, the whole thoroughly broken up and mixed and a sprinkling of bonemeal added. After the plants are potted their transfer to the house can be delayed until quite late in October. Keep them in a frame and you will have healthier, stouter, more compact and finer plants to take in later. All pinching back should be discontinued by the end of this month. See that they have an abundance of air night and day, with careful watering and light and frequent syringing, as all that will be needed to encourage a healthy pot plant. Give them a fumigating once a week, as a preventive for fly and thrips.

CINERARIAS

To have a fine batch of cinerarias in full bloom by next Easter sow now without delay. See that you get the best strain of seed, for it certainly is a single waste of time, money, space and labor to invest in a cheap and poor grade of seed. Sow the seed in pans that are well drained and filled with a soil composed of three parts loam and two of leaf-mold, with a good sprinkling of sand. Sift the mixture fine for the top layer. See that the soil in the pans is pressed moderately firm, and on this sow the seeds evenly but not too thickly, and then just cover with fine soil and press slightly. Keep moist and under heavy shading, to be made lighter when the plants are up. When the young plants are big enough to handle—that is when they have made their third or fourth leaf—prick them out two inches apart in flats. Before they get crowded in these flats pot into 2½ or 3-inch pots using the same mixture, only add a little cow manure and let it be more lumpy at each shift. Keep these plants out as late in the fall as possible, guarding them, however, against frosts, and when this becomes difficult to do remove them to a cool house and place them as near the glass as possible.

GLOXINIAS AND TUBEROUS BEGONIAS

As these plants go out of flower they should be started on their season of rest. Place them in a house where there is no shade and maintain a free circulation of air to help them to ripen up their growth. Continue to water but not quite so often, until the leaves have died down and then the soil should be allowed to become quite dry and the pots placed under a bench where there is no drip and just enough of water given to keep the tubers from shriveling. Gloxinias generally winter best this way if kept in a temperature of about 50 degrees. Where this is not convenient the tubers can be stored in flats of dry soil. This is the best way to

winter tuberous begonias to preserve them from the air, otherwise they will shrivel and thereby receive serious injury.

ORCHIDS

Laelia anceps will soon be sending up their flower scapes and should not be allowed to suffer from too much drought at the roots. Plants that are needed for early flowering should be gradually exposed to full sunlight as they really thrive better when thus exposed by the middle of September. Those that are desired for later blooming can be retarded by giving them a bright but lightly shaded house that is kept cool, and where the atmosphere is light and drier, but under such conditions it is not advisable to encourage a too dry atmosphere if you want to sustain your plants in good health. This retarding can be done with common sense without any injury.

Oncidium varicosum will now, or soon should, be showing flower spikes. Remove part of your permanent shading so as to give more light and sun. Do it gradually or your plants will suffer by too quick exposure to the sun. By October they will stand full sun. By placing some plants in an intermediate temperature of about 60 degrees at night with a rise to 70 or 75 degrees with sun, as desired, a succession of bloom can be kept up for some time. This is a fine orchid to grow, with its large graceful panicles of bright yellow bloom, which are excellent as cut flowers.

PEONIES

If you have in view the making of a new peony plantation, the sooner it is taken in hand the better. The most fertile plot of ground should not be considered too good for this purpose. To get the best results the land should be trenched to the depth of at least two feet, followed by the incorporation of large quantities of stable manure. When planting a permanent bed for future cutting, they should be set four feet apart each way, but if planting with the intention of division of the roots for selling, 2½ to 3 feet apart each way will do. See that the roots are set deep enough to insure the crowns being 3 or 4 inches below the surface of the soil. It is best to have all your planting done before the end of September as it gives the plants a chance to make good root growth while the weather is warm.

PAPER WHITE NARCISSUS

To grow these bulbs so they will be at their best it is well to allow at least an inch between each bulb. Use flats that are 3 or 4 inches deep and fill with a good loam that has about one-third of well rotted manure. Place them in a cold frame for the next six weeks. They can then be brought into a house of about 45 to 50 degrees at night in October and allowed to come along slowly. Give a bench where they will get all the sun that is going. After giving this cool treatment until they have made lots of roots, they can then be given a couple of weeks at a higher temperature so as to bring the flowers out. If they are cut when about four or five flowers of the trusses are open they will last from four to six days.

John J. M. Farrell

Mr. Farrell's next notes will be on the following: Nephrolepis; Euphorbia Jacquinellae; Lilium candidum; Next Year's Cyclamen Stock; Pre-planting Compost; Transplanting Begonias.

HORTICULTURE

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The S. A. F. Convention is always a most prolific developer of ideas for anyone who attentively follows the proceedings and the Baltimore affair just closed is no exception to the rule, judging from the critical comments, approving or otherwise, that find expression on every opportunity since. It would indeed be a colorless and unprofitable convention where no difference of opinion and consequent warm discussion on points at variance did not materialize. As to the final educational effect, however, on those concerned, Mark Twain's advice might be pertinent for some of us to give heed to. He said, "We should be careful to get out of an experience only the wisdom that is in it and stop there, lest we be like the cat that sits down on a hot stove-lid. She will never sit down on a hot stove-lid again, and that is well; but also she will never sit down on a cold one any more."

It has been maintained by some, since the Baltimore experience, that the S. A. F. method of conducting elections is defective and rather slipshod; that its system of balloting is "Australian" only in name, the fundamental principle of the Australian ballot, viz., secrecy and freedom from dictation, being ignored. Whether this is so, to a detrimental extent, and whether the protection against partizan supervision which is accorded the voter in civic affairs might wisely be extended to the S. A. F. voter; whether ballot peddling and solicitors should be excluded from the hall; whether some restriction should be placed on the voting privileges of members joining the Society on the day of nomination or election; whether "spell-binder" oratory for the purpose of influencing a vote should be regulated;—all these and many similar questions are being brought forward and this is an excellent thing for the Society as it indicates a lively interest in its affairs on the part of the membership, without which no organization can attain its best usefulness.

We doubt whether there ever has been an election in the S. A. F. conducted with equal zeal for favored candidates, where the spirit of respectful cordiality and freedom from animosity was so pronounced as at Baltimore last week. Although hotly contested for the several posts of honor no ill feeling was engendered and we do not doubt that the new officials will assume their respective posts of duty with the sincere support of those who opposed as well as those who favored their selection. It has been asserted that no two minds have ever yet been found of which it could be said that there was unanimity of opinion on all questions presented for their consideration. Simple and primitive indeed must be the topic and few its details if, even in a single instance, any two interested parties can be brought to think exactly alike. But it is possible for each and all to be actuated by the same loyal impulse to help in every possible way to promote the prosperity of the Society and broaden and enhance its influence. On methods and on men for leaders there must always be diversity of views and this is healthy for the organization so long as it is kept within tolerant and friendly bounds.

Aftermath

Talking
it overEmulation,
not contention

Obituary

Herman Goertyhain.

Herman Goertyhain, florist, of Fair Oaks, California, died at his home on August 13, aged 65 years. Four sons survive him.

Tracey Bolles.

Tracey Bolles, Valley Creek, Wis., was killed by a freight train at Oak Park on August 13. He was formerly employed by Holm & Olson, florists, of St. Paul.

George Hedtler.

George Hedtler, 1419 Wrightwood avenue, Chicago, Ill., died on August 21, as the result of being overcome by the heat while at work in the greenhouse of Joseph Lange, on Aug. 14.

Joseph Bock.

Joseph Bock, florist, Burlington, Iowa, died on August 7 of typhoid fever. He was born in Germany in 1846, coming to this country in 1867. For twenty-two years he was a nurseryman and florist.

Fred C. Chapman.

Fred C. Chapman, pioneer florist of Grand Rapids, Mich., died on August 17 at his home on Madison square. Mr. Chapman was born in Stamford, England, coming to Grand Rapids in 1880. He established the first greenhouses in the city, which were located on the site of the greenhouses of Crabb & Hunter. He continued to be one of the successful florists of the city up to the time he retired, about eight years ago. He is survived by a widow and one son.

William Bryant.

The death is reported at Jamestown, R. I., of Mr. William Bryant, a member of the firm of Bryant & Whiting Co., a fertilizer firm located on Curtis Bay, Md. Mr. Bryant was stricken some time ago with malaria, but feeling a little better decided to go to his father's summer home at Jamestown. Here the malaria turned into typhoid which proved fatal. He was 36 years of age, and is survived by a widow and one daughter, who are at present traveling in Europe. Burial took place last Sunday at Alexandria, Va.

John Flood.

John Flood, Woburn, Mass., passed away on August 23, aged about 40 years. Mr. Flood was born in London, England, and was employed in the seed department of James Vietch & Sons, for whom his father was foreman. About twelve years ago he was employed by Peter Henderson, New York, from there going to R. & J. Farquhar & Co., Boston, Mass. After leaving there he was employed on the estate of Joseph H. White of Brookline, Mass., under James Wheeler, going from there to Buffalo and spending three years in that city. He then located a business of his own in Dedham, Mass., which he maintained for about three years. One year ago he bought the David Fisher property in Montvale. Mr. Flood had been ailing for about three months, the result of an attack of the gripe, a relation caus-

ing his sudden death. The time of the funeral could not be learned before HORTICULTURE went to press.

Joseph R. Freeman.

Again it becomes our painful duty to record the passing away on August 22 of a well-beloved member of the horticultural craft, J. R. Freeman, of Washington.

Mr. Freeman was born in England sixty-two years ago. He came to Washington when fourteen years of age, at first working for the late John Saul. He remained with Mr. Saul for several years, when he was married to Miss Mary E. Weaver, of Washington. With his wife, Mr. Freeman moved to Baltimore, where they remained for two years, at which time they came back to Washington. Mr. Freeman then established himself in the florist business, which he continued until his death. His first business was located at Thirteenth and E streets, near Pennsylvania avenue. About 15 years ago Mr. Freeman removed to 612 Thirteenth street, his last location.



JOSEPH R. FREEMAN.

The cause of death is given as Bright's disease.

Few men have been more blessed with neighborly and companionable traits than J. R. Freeman. To his friends—and they were legion—he was the embodiment of open-handed hospitality. He was prosperous in business and was widely known and respected among the business men of Washington. He was a life member of the Society of American Florists and served as its vice-president in 1905. At the convention in Washington that year he was nominated for president but declined the honor. At the convention in Rochester last year he seconded the nomination of Baltimore and urged the selection of that city as the meeting place for 1911. He was also a member of the Florists' Club of Washington, a large delegation from which attended the funeral.

Mr. Freeman is survived by his wife, three sons, J. W., J. S., and William E. Freeman; and one daughter, Catherine Elizabeth Freeman, all of Washington.

BRITISH HORTICULTURE.

A Thousand Pound Sweet Pea Prize.

The Crystal Palace was lately the scene of the big sweet pea show, organized by the "Daily Mail." This newspaper and its associated journals have for weeks given the competition a "boom," for it is not often the amateur grower has a chance of winning a thousand pounds first prize. Entries poured in from all parts of the kingdom, and the judges had a difficult task in picking out the best blooms, which were eventually staged, and formed the largest exhibition of sweet peas seen in this country. The blooms all had to be sent through the post, thus giving the entire body of exhibitors the same chance. Much ingenuity was displayed in endeavoring to secure the transit of the blooms in a fresh condition. The heated state of the glass building caused the flowers to fade, and on the second day a very poor display was made. The drought has been very trying to most of the growers this season. There was only one trade exhibitor, W. J. Unwin, who showed an interesting assortment of some of his leading introductions. The first prize was won by Mrs. J. H. Fraser, a minister's wife, of Sprouston, Kelso, Scotland, and by a strange coincidence her husband won the third prize. The judging was done with numbers, so that the judges were not aware of the relationship of the two successful exhibitors. The second prize went to the Isle of Wight.

The National Carnation and Picotee Society.

There were several absentees from the usual exhibitors at the annual show of the National Carnation and Picotee Society, owing to the unfavorable season. James Douglas, of Great Bookham, Surrey, carried off the first prize in several classes, as well as the Cartwright Challenge Cup, in the open classes, also the Society's cup for the highest aggregate number of points in the first division of the schedule. Among the new seedlings was a crimson self-colored, Mrs. F. J. Johnson, shown by Arthur R. Brown, Ltd., of King's Norton. Hayward Mathias showed Ariel, a new yellow ground picotee, with a light pink edge. Each of these received a first prize in their special class.

W. J. H. Adsett,

We are advised that a swindler operating under the name of Chris. Meyer has been working in and around Madison, N. J., and our readers are hereby warned so that they may be prepared for him.

He has evidently worked at the florist business as he can talk glibly enough regarding the different varieties of roses and carnations. He has victimized several of the tradesmen of Madison by the use of small forged checks, claiming a long acquaintance with a number of prominent growers.

He is of medium height, with dark hair, and gains attention by claiming to be an Elk of a Virginian Lodge, so florists would be well advised to see the card of any man looking for favors under the plea that he is an Elk

SOCIETY OF AMERICAN FLORISTS AND
ORNAMENTAL HORTICULTURISTS

The Convention Story Completed

CONCLUDING SESSION.

At 1.00 P. M. the ballot counting not being completed an adjournment was taken until 6.00 P. M., at which time President Asmus resumed the session, and called for report of Committee on State Vice-Presidents, which was read, and on motion approved, and a vote of thanks extended to the different State Vice-Presidents.

Report of Committee on State Vice-Presidents.

Your Committee has received the twenty-six reports of the Vice-Presidents of the various states, and find the detail of the same to show no falling off or lack of interest in the work of the Society of American Florists; and we in justice to the excellent showing made by the reports recommend that a vote of thanks be extended to the Vice-Presidents and that the reports be accepted and printed.

Benjamin Hammond, Joseph Heacock, P.
Welch, Committee.

President Asmus referred to the sad occurrence of the taking away by death of one of the oldest and most beloved members, Mr. John Birnie, and announced that he had named a suitable committee to prepare resolutions appropriate to the occasion, which he now desired the Secretary to read, requesting all to remain standing meanwhile as a token of respect to the departed brother.

The convention arose while the report of the committee was read in a feeling manner by Secretary Dorner:

Report on Death of John Birnie.

Your committee respectfully report the following resolutions upon the death of our deceased brother, John Birnie:

Whereas The Society of American Florists and Ornamental Horticulturists assembled in the city of Baltimore on the occasion of the Twenty-seventh Annual Convention have been grievously touched by the sudden death of our fellow craftsman John Birnie; therefore

Be it Re-olved, That we, the members of the S. A. F. & O. H. feel keenly the loss of one so well beloved, one who has been an ardent representative of our profession in advancing all its interests; and be it therefore further,

Resolved That we present this resolution as a token of our sympathy and sincere affection for him, and condole with his family in this their sudden and sad bereavement, and that we submit to them a copy of these resolutions, and forward in the name of our Society a suitable floral tribute.

Respectfully submitted,
Walter L. Sherman, J. C. Vaughan, Rich-
ard A. Vreeland, Jr., J. Otto Thibow, Com-
missioners

The report was unanimously adopted by a rising vote, the convention, at the suggestion of President Asmus, remaining standing for an interval of time in silence.

Parcels Post Urged.

F. R. Pierson was recognized by the chair to present the following resolution which he stated was to give further effect to the good work done by Washington representative, W. F. Gude.

ing their charging the public extortionate rates on the small package business carried by them, and

Whereas, The mail service of this country if developed as it should be would act as a regulator of express rates and reduce them to a reasonable figure; and

Whereas, The express companies seeing the handwriting on the wall and realizing that the intelligent merchants and others of the country have become enlightened to the true state of the conditions existing have been through their lobby for years fermenting opposition to the establishment of a parcels post such as other countries who compete with us enjoy; and have enlisted in such opposition various retail trades and others who think that a parcels post would help the mail order houses and department stores, whereas in fact it would stimulate the entire commerce of the country, and the loss to retailers would be offset a thousand times in the general increased prosperity; and

Whereas, The express companies and others have scattered broadcast the idea that the postoffice department would be run at a loss were the post office business increased through the establishment of a parcels post, whereas on the contrary its revenues would be greatly increased provided proper rates of charge for the railway service enforced, and

Whereas, In every foreign country communication by mail is so much appreciated that the people of Germany and other countries have advantages in a parcels post such as we have never had here, therefore,

Resolved, That our representatives in congress be personally written to or communicated with by each and every one of our membership throughout this United States and urged to enact a parcels post at the earliest possible moment that shall place our citizens on a footing with foreigners, and that shall furnish an effective regulator of express rates in this country to the end that the entire manufacturing and commercial business of the country may be stimulated and our domestic commerce increased beyond present conceptions of its volume. The need for a parcels post is urgent and pressing and Congress can serve the country in no other way more effectively at this time.

On motion the foregoing were unanimously adopted.

On motion it was ordered that the Committee on Tariff and Legislation be instructed to draft a letter pertaining to the resolution adopted with regard to the parcels post, a copy of the same to be sent to each member of the S. A. F.

In the absence of Prof. H. H. Whetzel, Plant Pathologist, his report was read by title and on motion ordered printed in full in the proceedings of the Society.

Report on Trade Exhibit.

Through Secretary Dorner, the Superintendent of Trade Exhibit, Mack Richmond, reported that the amount received from sale of space amounted to \$3,796.00, which statement was greeted with applause.

No Increase in Life Membership.

The amendment to the constitution proposed with reference to annual dues, initiation fees and life membership, was next considered, and was lost by a rising vote.

W. N. Rudd presented the following:

Report of Auditing Committee on National Flower Show.

We, your Committee appointed for audit of the National Flower Show report, hereby certify that we have examined and checked the same so far as was feasible, and are confident it is correct. The mass of detail is so great that a close item by item check was impossible in the time at our disposal.

We recommend that the report be accepted. W. N. RUDD, Chairman.

On motion, the report was received and adopted.



BANKERS' CONVENTION TRADE EXHIBITION

App. 7008 and Nursery Section

[illegible]



BALTIMORE CONVENTION TRADE EXHIBITION
Florists' Supply and Floral Section.

Election Returns.

P. Welch read the report of the tellers of election, as reported by telegraph in our issue of last week.

On motion of Mr. Farquhar the vote for Mr. Vincent for President for the ensuing year was made unanimous. Mr. Farquhar returning his acknowledgments to the friends who had voted for him and for the interest manifested in the election, but rejoicing in the success of the winning candidate. Similar action was taken regarding the election of Mr. Poehlmann as Vice-President on motion of Mr. Philpott.

Mr. Hammond presented the report of the Committee on School Gardens and requested that it be read by title and ordered printed in the Proceedings, which was on motion duly authorized, and so ordered.

The following report submitted by Mr. Farquhar was read and on motion referred to the discretion of the Executive Committee with power to act, viz.:

Report of Committee on Life Membership Badge.

"Your committee has given much thought to the subject of a badge that would be emblematic, artistic and convenient to represent life-membership in the S. A. F. & O. H.,

Your Committee recommends that the badge be round in form, that the present leaf emblem of the Society appear in relief on the surface, with the letters S. A. F. placed obliquely across the leaf, and the words, "Life Member" on the ground, around the upper side, that is over the leaf.

The accompanying sketch shows in a general way the design. Your Committee recommends."

President Asmus announced that he had appointed as Committee on Recommendations in President's address the following: P. Welch, F. R. Pierson, W. N. Rudd, W. F. Kasting, F. H. Traendly.

The report of this committee was presented verbally by Mr. Rudd, and was adopted by rising and unanimous vote.

The report of the Committee on Final Resolutions as reported in last week's issue was now read, and on motion unanimously adopted, and three cheers and a tiger were enthusiastically given for Baltimore.

On motion of Mr. Hill, the convention adjourned sine die.

Additional Exhibitors.

The following were omitted from our report of exhibitors at Baltimore last week:

The Advance Co., Richmond, Ind. improved ventilating apparatus.
Godfrey Aschmann, Phila., decorative plants.
Gem City Boiler Co., Dayton, O., heating apparatus.
Pennock-Meehan Co., Phila., Double White Killarney rose.
A. N. Pierson, Cromwell, Conn., Killarney and Killarney Queen roses.
R. & J. Farquhar & Co., Boston, Laburnum leucanthemum.

THE BOWLING.

The arrangements for the sporting events in connection with the Baltimore convention were excellent. The bowling took place on Thursday—ladies in forenoon and gentlemen in afternoon—on the alleys of the Garage. The prizes awarded were as follows:

Rolling cup, Mrs. George H. Cooke, of Washington; Boos cup, Mrs. George C. Sholes, of Washington; Bologna carving set, Mrs. Frank H. Traendly, of New York; Roversdorfer electrother, Mrs. Charles McKellin, of Chicago; Stewart & Co., cut glass vase, Mrs. F. C. Bowers, of Baltimore; Hochschild, Kohn & Co., cup, Mrs. Frank H. Traendly, of New York.

As a resting and sightseeing trip around the city after their exertion of bowling, the ladies were given a trolley ride through the suburbs of the northern and northwestern sections. The trip ended with a reception at the Maryland Country Club.

As will be seen by the following scores, Washington was "high liner" and put some of the most confident teams to rout.

WASHINGTON.			CLEVELAND.		
Cooke,	145	159 173	Adgath,	163	145 166
Shamlin's,	149	188 156	Hart,	137	167 166
Eker,	207	184 166	Bates,	140	152 187
Slater,	169	179 168	Smith,	118	179 151
McLain,	190	207 158	Graham,	166	167 203

Total	860	917	821	Total	724	770	873
Total	2578			Total	2367		

PHILADELPHIA.			BALTIMORE.		
Dodds,	160	165 171	Richard,	126	130 141
Irwin,	149	135 143	Klutch,	165	166 177
Conner,	113	144 154	Perry,	149	141 180
Alb'g'r,	175	131 159	Moss,	117	159 189
Rib'tson,	172	171 181	Seebold,	151	157 157

Total	766	746	808	Total	708	739	841
Total	2323			Total	2305		

NEW YORK			BUFFALO.		
Ferrich,	139	134 130	Mansfield,	135	201 158
J.M'nda,	131	178 130	Nonbeck,	125	139 155
Nugent,	137	173 187	Street,	167	167 132
D'Al'g'o,	117	171 206	Sandiford,	147	136 166
Chadwick,	127	153 184	McClure,	135	153 168

Total	651	809	837	Total	709	796	779
Total	2297			Total	2284		

CINCINNATI			CHICAGO		
Hickm'n,	178	161 145	Olsem,	182	157 168
Witt'n'h,	126	157 149	Assmus,	152	142 144
Horn'g,	148	144 117	McKell'r,	163	170 123
Schum'r,	121	149 168	Wolff,	139	140 186
Critch'll,	152	181 171	Zech,	163	156 129

Total	725	795	750	Total	749	765	750
Total	2270			Total	2254		



BALTIMORE CONVENTION TRADE EXHIBITION
PHILADELPHIA PA.

Whiffin cup, team making highest total in 3 games, Washington.

Kasting cup, team making highest total in any one of 3 games, Washington.

Bayersdorfer cup, team making highest total in first 2 games, Washington.

Michell trophy, team making second highest total in first 2 games, Cleveland.

Finance Com., \$5 for each man on third highest team, Philadelphia.

H. Lehr, stick pin, for each man on highest team, 3 games, Washington.

E. C. Bauer cup, for man making most spares, 3 games, Peter Olsem, Chicago.

T. H. Patterson, 1 doz. fruit knives for man making most total pins, 3 games, McLennan, Washington, D. C.

W. W. Barnard cup, for individual on team making highest score from distance, total pins, 3 games, Peter Olsem, Chicago.

W. C. McGance, mirror, for man, highest total, 3 games, McLennan.

Mrs. M. F. Thomas, silver pitcher, most strikes, 3 games, Elker, Washington, D. C.

W. J. Johnson, silver bowl, for highest individual score in any one of 3 games, Elker.

Pennock-Meehan Co., \$5, for each man on team making 2nd highest score, total pins, 3 games, Cleveland.

M. Rice & Co., \$10, for man making 2nd highest number of strikes in 3 games, McLennan.

Hosca Waterer, \$5 for man 2nd highest number of spares, 3 games, Dodds.

The teams that comprised the bowling test were Washington, Cleveland, Philadelphia, Baltimore, New York, Buffalo, Cincinnati and Chicago and winning teams were in order named.

Individual Rolling.

Geo. Asmus prize, \$25, highest score, total pins, 361—Guerth; Fred Strootman cup, second highest score, 344 Kessler; Dreer cup, 3rd highest score, 343 Patrick Welsh; Ladies' Comm. carving set, 4th highest score, 326—Michael Bloy; Mrs. Chrester, salad fork, fifth highest score, 324—Brown; W. S. Norris, salad spoon, 6th highest score, 315—Boone; clock, 7th—Wilson; umbrella, 8th, 312—Lehr; vase, 9th, 309—Guttman; box cigars, 10th four were tied and was divided.

BALTIMORE'S DAY.

Friday, August 18, was Baltimore's Day. At 10 a. m. as per schedule the visitors and their hosts were assembled at the Light street dock and amid much good nature and felicitations the two steamers, Annapolis and F. C. Latrobe set sail for the two-hour trip down the bay to Tolchester Beach. As before, the open-handed consideration for the inner man which characterizes the Baltimorean was turned loose and nobody was permitted to go either hungry or thirsty. Much interest attached to Fort McHenry, where the Stars and Stripes were first raised and other interesting points en route.

Arriving at the landing at Tolchester Beach the procession wended its way to the lawn in front of the pavilion where, it had been whispered, an interesting event was to transpire. And so it did, as J. K. M. L. Farquhar of Boston stepped into the open space and calling for President George Asmus of Chicago, addressed him in words eloquent with appreciative praise for the excellent manner in which he had met the heavy responsibilities of his office, his capacity for organization and ability in presiding over his Society and presented him on behalf of the assembled members a beautiful solid silver service in a mahogany case. President Asmus responded with words full of heartfelt appreciation and promised a good time and a notable convention in his home town next year. President-elect Vincent, being called upon, responded gratefully for the honor that had been conferred upon him. Then came the games.

Shooting.

The shooting results were as follows:

First prize, T. C. Stevenson; Second E. W. Stevenson; Third, H. M. Altick; Fourth, E. R. Shaw; Fifth, H. Brown; Sixth, G. Anderson; Seventh, Charles Seybold; Eighth, G. Lutz; Ninth, F. Marquart; Tenth, H. Blackstone; Highest average, 50 birds, T. C. Stevenson.

Following the shooting contest a baseball game between the Baltimore members of the organization and the visitors was begun, but at the ending of the fifth inning, when the score stood 4 to 0 in favor of the visitors, the game was called on account of the storm, which was rapidly approaching. The ball players had hardly left the field before the rain began to fall in torrents. Crowds flocked to the shelter of the houses, and those who were standing on the piers sought the friendly covering afforded by the two vessels at the docks. The storm lasted for about half an hour.

Other Games.

The winners of the other games, which took place in the afternoon, were:

Men's Running Race—For men 25 years and over. First, Harry Wagner, of Baltimore; second, W. Stauffel, of Baltimore.

Young Men's Running Race—Ward Perry, of Baltimore.

Fat Men's Race—J. Schocks, of Baltimore.

Married Women's Race—Mrs. William Robertson, of Washington.

man in the party. The ballots were collected, and after counting them it was found that Robert Halliday had been unanimously chosen. Mr. Halliday, though pleased, was not in the least flattered, and as the crowd gathered around him to see the sealed package, containing the prize, opened, they were greatly disappointed when Mr. Halliday stated that he would not open the package until some time next day.

AMERICAN GLADIOLUS SOCIETY.

At the session of this Society on Wednesday, August 16, in addition to the proceedings as recorded in our last week's issue, the following business was transacted. The committee on recommendations in President's address, Messrs. Vaughan, Crawford and Cowee, advised the appointment of I. S. Hendrickson, Arthur Cowee and Carl Cropp, with the secretary ex-officio, as a board of registry of new varieties with power to make trials, etc., subject to the approval of the executive committee, also authorizing the expenditure of \$50 for dies for a society medal.

Treasurer Fuld's report showed cash on hand \$230.37, and Financial Secretary Youell reported that there were membership and advertising accounts still due the Society of \$345.

It was voted that the American Gladiolus Society adopt the following



THE SHOOTING TOURNAMENT

Boys' Potato Race—R. Thaw, of Govans-town.

Girls' Potato Race—First prize, \$2.50, Miss Grace Erdman, of Baltimore; second prize, \$1.50, Miss Helen Richmann of Baltimore; third prize, \$1, Miss Fannie Lachner, of Baltimore.

Single Ladies' Race—Miss May Dodds, of Washington.

At 5.30 the delegates congregated at the end of the pier and after a short address by Mr. Vincent, a handsome silver loving cup was presented to Robert L. Graham, president of the Baltimore Gardeners' and Florists' Club. The presentation was a complete surprise to Mr. Graham and he acknowledged his appreciation by a short response. On one side of the cup was engraved the words:

To Robert L. Graham, from every member of the Gardeners and Florists' Club of Baltimore, as a token of their highest esteem and regard.

On the reverse side were the words:

Presented during the S. A. F. & O. H. Convention, Baltimore, August, 1911.

The party then boarded the steamer. Supper was served on the upper decks. Almost side by side the two vessels steamed up the bay, and at 9.30 o'clock the passengers were landed at the pier.

Just before landing a vote was cast for a prize to go to the handsomest

as a general standard for grading bulbs. First size bulbs, 1½ inches and up; second size bulbs, 1¼ inches to 1½ inches.

At the session on Thursday Mr. Fitzpatrick of Cornell University gave a lecture and report of investigation of gladiolus diseases. The election of officers resulted as follows: President, I. S. Hendrickson; vice-president, E. H. Cushman; corresponding secretary, L. Merton Gage, financial secretary, H. Youell; treasurer, Wm. Sperling; executive committee, Arthur Cowee, T. Boddington, F. W. Fengar; nomenclature committee, Arthur Cowee, Leonard Joerg, Professor Beal.

The nomenclature committee recommended and it was adopted that a committee be appointed by the president to secure or have printed a suitable color chart for the use of the members of the Society to be referred to the executive committee for approval and adoption, which shall if deemed advisable by the committee be copyrighted and sold to those wishing it.

The following committees were announced by President Hendrickson:

Membership—J. B. Hutchinson, Ralph Cushman, Geo. W. Parsons.

Boddington's Quality Christmas and Winter-Flowering Sweet Peas

ALL true stocks of Winter-Flowering Sweet Peas will be scarce this season. Some varieties are a total failure, owing to the exceptional season in California this Spring. We can make immediate delivery of the varieties marked with a star (*), the balance we are expecting from our grower in California at any time. Our advice to intending planters is to order early.

Our stocks of Christmas-Flowering Sweet Peas have stood the test for years, and we can refer you to the largest growers of this increasingly popular flower, as to the truthness and quality of our seed, earliness of blooming period, and strength and habit of plants.

The following varieties are the "best by test" and include Zvolanek's and our own introductions, grown for seed from selected stocks by the leading California Growers and Specialists of Sweet Peas. Our output last year was nearly 6000 lbs. No kinks and plenty of testimonials as to quality, germination and truthness to type.

BODDINGTON'S QUALITY WINTER-FLOWERING SWEET PEAS

At the Exhibition and Convention of the National Sweet Pea Society of America, July 12th and 13th, 1910, we again won the C. C. Morse & Co.'s Silver Cup for the finest and best collection of Sweet Peas open to the trade only

***BODDINGTON'S EXTRA EARLY CHRISTMAS WHITE SNOWBIRD.** An exceptionally early Sweet Pea for indoor flowering—will bloom six weeks after sowing. Color clear white, upon long stems; habit fairly dwarf and of exceptionally free-flowering qualities. Without doubt, the finest early white for indoor planting. We sell one grower in Pennsylvania 35 lbs. of this variety every year, name on application. Oz., 30 cts.; ¼ lb., 85 cts.; ½ lb., \$1.50; lb., \$2.50.

***BODDINGTON'S CHRISTMAS PINK.** This is the earliest and most profitable and useful Sweet Pea in cultivation, as by sowing the seed under glass in latter part of August, flowers can be cut from Thanksgiving on during the Winter months. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

***BODDINGTON'S CHRISTMAS WHITE.** A companion to our Christmas Pink. Just as free and profuse a bloomer. Oz., 15 cts.; ¼ lb., 50 cts.; ½ lb., 85 cts.; lb., \$1.50.

***BODDINGTON'S CANARY.** Similar to the above, but flowers of an exceptionally good yellow. Oz., 35 cts.; ¼ lb., \$1.00; ½ lb., \$1.75; lb., \$3.00.

***BODDINGTON'S FLAMINGO.** Color scarlet; free-flowering and early. Oz., 50 cts.; ¼ lb., \$1.50; ½ lb., \$2.75; lb., \$5.00.

Christmas Meteor. Scarlet; fine open red flower. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

Christmas Captain. Blue and purple. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

***Florence Denzer.** Pure white. Oz., 15 cts.; ¼ lb., 50 cts.; ½ lb., 85 cts.; lb., \$1.50.

Le Marquis. This is the same color as Princess of Wales, violet; has very large flowers. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

***Miss Helen M. Gould.** White, open flower; standard lilac, marbled. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

***Miss Josey Reilly.** Lilac; very large flowers. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

***Mrs. E. Wild.** Carmine or dark pink. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

***Mrs. George Lewis.** Large, pure white waxy flower. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

Mrs. W. W. Smalley. Satiny pink. Oz., 35 cts.; ¼ lb., \$1.00; ½ lb., \$1.75; lb., \$3.00.

Mrs. F. J. Delansky. Daybreak pink. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

***Mrs. Chas. H. Totty.** Sky-blue; late. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

Mrs. Zvolanek. Blue, variegated; good for variety. Oz., 50 cts.; ¼ lb., \$1.50; ½ lb., \$2.75; lb., \$5.00.

***Watchung.** Pure white. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

***Wm. J. Stewart.** Blue self. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

All other varieties of Winter and Summer-flowering Sweet Peas supplied. Write for quotations.

ARTHUR T. BODDINGTON, Seedsman, 342 West 14th St., NEW YORK

Exhibition—H. Youell, B. Hammond Tracy, L. Merton Gage, J. B. McArdele.

Press and Bulletin—L. Merton Gage, H. Youell, Montague Chamberlain, J. C. Vaughan, M. Crawford.

Mr. Cowee announced that through his efforts the State of New York had given the Society the sum of \$1,000 to be used in the work at the trial grounds at Ithaca. Mr. Cowee was given a rousing vote of thanks.

Address of President Hendrickson.

Ladies and Gentlemen, Members and Friends of the American Gladiolus Society:

The first year of the American Gladiolus Society is past and gone to make history either good, poor or indifferent which, I will not attempt to pass judgment on. However, one year is hardly long enough to really accomplish much in what seems to me to be the two most important lines of work, namely: thorough trials of all varieties on the market, and creating interest in and love for our favorite flower. While million of bulbs are sold each year it is surprising to find how many people there are in the country who are not familiar or acquainted with gladioli at all, and only comparatively few people have any idea of the splendor and glory of the finer varieties that have been

brought out and introduced during the past ten years, but a beginning has been made as the reports of the different committees will show. From a membership of 137 a year ago we have increased to 172. This increase we think is remarkable, considering the number of horticultural societies scattered all over the country.

Our special meeting held in Boston at the time of the National Flower Show was well attended and much interest was manifested in the discussions. The attempt for an exhibit of cut blooms was a failure, as it was found to be about four weeks too early. The present exhibit will speak for itself. We are indebted to the officers and directors of the S. A. F. and O. H. for the free use of the room in which the competitive exhibits are staged.

We have issued three bulletins during the year which have been a little more than self-supporting. Personal observation during the present summer convinces me more than ever that there is work for this society to do, as there seems to be a craze at the present time for applying names to varieties. This is to be commended when the variety named has some merit, but when names are applied to varieties that are inferior to varieties that have been in existence for years, it seems time to call a halt. Then again there is no doubt whatever that a lot of varieties are being renamed by growers who are not familiar with

existing varieties. It seems to me that a great deal of this confusion could be avoided if our society could establish a bureau of registration where all new varieties could be submitted and passed upon before they are recognized as new varieties by the trade. I think it would also be interesting if we could establish a list of 100 best varieties, and it might be well to establish a discard list to eliminate some of the kinds that have been superseded by later seedlings. I believe we can create a great deal of interest among local horticultural societies if the American Gladiolus Society would adopt some medal to be offered through the local societies for best exhibits of gladiolus blooms. A uniform medal could be made without a great deal of cost to our society, and I think it would accomplish much in the spread of interest.

In conclusion I wish to express my appreciation of the honor in being the first president of the American Gladiolus Society. I bespeak the same loyal support of the membership to my successor in office, and predict a very useful and successful future for this society.

The Columbus Florists' Association of Columbus, Ohio, enjoyed an outing at Heilmann's Park on August 12. Before leaving the park a parade of several of the central streets was made in autos and at the park a picnic dinner and games were enjoyed.

PLANTATION OF LONGIFLORUM GIGANTEUM LILIES, JAPAN.



When Ralph M. Ward of New York received cable advice of the flood in Japan which destroyed thousands of homes in and about the bulb district, he cabled the flood sufferers 2000 yen as a donation. The growers affected appreciated this kindness so much that they decided to get along without

using the money as a relief, and established among themselves what they call the Flood Donation Commemoration Fund, and used the funds in buying up the very finest Giganteum seed bulbs produced in the Kingdom. The above photograph shows the results of the first year's planting and cultivation and demonstrates that an ex-

ceedingly high quality can be produced from the right planting stock. Their intentions are to supply Mr. Ward, beginning in 1912, with a grade of Giganteum superior to anything produced. The money is used entirely to promote quality, and the growers have their heart and soul devoted to the cause.

PERSONAL.

Frank Fillmore of St. Louis, had charge of the floral booth at the Royal Aquarium festival at Priestess Park, all of the last week.

Charles Schenck, of Traendly & Schenck, New York, returned from his European trip on Tuesday, August 14, looking much benefited by the voyage.

Many were the honours at the convention for Col. W. W. Castle of Boston, who, in recent conventions, has made so many warm friends among the members by his unique personality, and who were full of sympathy when they learned of his serious illness. He had not since last Easter—with many wishes expressed for his speedy return to good health.

On his return from Baltimore, J. K. M. L. Farquhar of Boston received a telegram inviting him to address the Lenox (Mass.) Garden Club on Tuesday afternoon, August 22, which he did at the parlors of Hon. Jos. H. Choate, Stockbridge, and in the evening of the same day attended the

meeting of the Lenox Horticultural Society, thus finishing up a most strenuous ten days.

Mr. H. A. Barnard, representing Stuart Low & Co., Bush Hill Park, Enfield, England, is due to arrive in New York soon on another American trip, and may be addressed at the Hotel Albert, 11th street and University place, New York.

Visitors in New York: P. Welch, A. E. Thatcher and J. K. M. L. Farquhar, Boston; John Canning, Ardsley, N. Y.; M. Barker, Chicago; C. C. Pollworth, Milwaukee; H. E. Philpott, Winnipeg, and others en route to and from the Baltimore convention.

Boston visitor: J. Nash of Moore, Hentz & Nash, New York.

NEW ROSES Originated by Jackson Dawson

Lady Duncan, Dawson, Daybreak, Farquhar, William Egan and Minnie Dawson

WRITE FOR PRICES

We carry a very large stock of Fine Conifers, Deciduous Trees and Shrubs and Hardy Herbaceous Perennials

Send for Our New Illustrated Catalogue

EASTERN NURSERIES

Henry S. Dawson, Mgr.

JAMAICA PLAIN, MASS.

*Cold Storage Giganteum, Magnificum
and Auratum ready for immediate
delivery. Bamboo canes on hand.*

Seed Trade

In a letter from W. Atlee Burpee, who is now in Europe, we learn that the only countries in Europe that have decent seed crops are Holland and Denmark; England, France and Germany are in a terrible condition. Mr. Burpee says that he saw field after field of Bush beans in Germany in which most of the plants were absolutely burned up, and the few plants having green leaves did not carry a single pod. Mangel and Sugar Beets by the hundreds of acres will yield from 1½ to 2 cwt. per acre. Spinach also is almost a total failure there, while asters, unless they have rains immediately, will yield practically no seed. Potatoes and grains are also so poor that it is really a question of how the farmers can live. In England the grass is all burned up and there is practically no pasture for the cows, while peas are worse than last year. He states that it was really a satisfaction to get over to Ireland where they have had rains and where the grass is green.

European seed trade reports as they come to hand through New York importing houses are very depressing. In many sorts of seed it is no longer a question of percentage of yield, but whether or not the crop is a total failure.

The hot and dry weather in Belgium has also had a disastrous effect on all florists' plants, particularly azaleas, which are undersized and stunted, and the situation is very critical with prospects most discouraging. The weather continues very hot and the shortage of water has almost ruined some growers, who will have great difficulty in filling contracts as to sizes and varieties ordered. Vander Cruyssen and Simon Mardner are among the varieties most seriously affected.

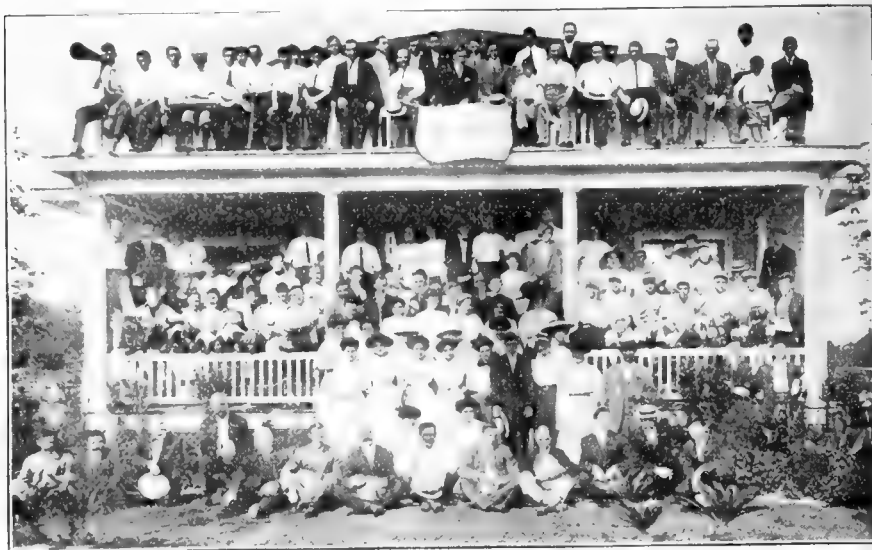
A large German grower of lilacs states that, in consequence of the unprecedented heat and killing drought, unprecedented in 77 years, pot lilacs generally have suffered severely, the foliage being burnt and the flower buds being stunted and imperfect, so that the flowers must of necessity be crippled. Lily of the valley, also, has sustained a serious set-back and reports from week to week are more and more depressing. Many large fields are more or less shrivelled up, and this year's crop will be short, with superior quality decidedly scarce.

From Japan we learn that the Longiflorum Giganteum crop seems to be a failure, there being many very pessimistic reports from many growing districts. "Thunder shower rotting," "plant louse," "withers," etc., are blamed for the trouble. We hope, however, that this may prove to be overdrawn, as is the case each year with one crop and another. Time will tell.

A Correction.

The United States Seed Co. write us that we were incorrectly informed as to their moving to Memphis. The fact that they were successors of the Plant Seed Co., of St. Louis, in the garden seed department, made it necessary to have a chief wholesale distributing

GROUP AT THE OUTING OF THE H. F. MICHELL CO.'S EMPLOYEES.



The Dreer ball team on the right and Michell team on left of picture.

point farther north and Memphis was decided on. The Memphis office will be the business headquarters, although they are a Texas corporation.

WASHINGTON NOTES.

It is reported that the bureau of plant industry of the Agricultural Department has entered into negotiations for the construction of a nine-story building in the southwest section of the city in which to transact its rapidly growing business. While the report is believed to be true, it has not been verified.

A circular letter is soon to be sent to each of the ladies who would be eligible to membership, asking their opinion as to the advisability of the formation of a ladies' auxiliary of the Washington Florists' Club. President Mayberry is of the opinion that such an organization, besides aiding in the entertainment of the ladies, would prove a large benefit to the club itself.

Quite a number of the clerks of the local stores are availing themselves of the vacation season to hie themselves to various places away from the city to forget the trials and tribulations of their work. The following employees of Gude Bros., are reported thus enjoying themselves: Miss Nellie Bruening, for more than ten years in charge of the office, is at Atlantic City; Charles Scarboro is in Bucks County, Pa., and Walter Hawley is at Hoosick Falls, N. Y.

There is now pending before Congress, a bill looking towards the taxation of vaults located beneath sidewalks and streets which are occupying public space. This is causing considerable consternation among merchants in all lines. The Chamber of Commerce is taking the matter up with a view to protesting against its passage, and several of the florists have proffered their aid. Z. D. Blackstone is strongly opposed to such a tax, and W. F. Gude states he will fill up the vault rather than pay for it. Congress will probably adjourn before

pushing the bill through this session, but as it was drafted by the Commissioners of the District, the matter will be taken up with them.

Two deaths were reported in the city within a week, that of William Radtke and J. H. Copeland, both gardeners. The case of the former was a particularly sad one in that Mr. Radtke and his wife had planned an outing for the day on which his dead body was discovered. It seems that Mrs. Radtke had gone to bed leaving her husband to complete the preparations for the outing. Upon awakening in the morning she was startled to find him missing. A search found him sitting upon a chair in the kitchen, dead, with gas pouring out from a disconnected tube of a gas stove. His death was accidental. J. H. Copeland died at his home in Arlington, Va., at the age of sixty-five years, on August 13.

CLARENCE L. LINZ.

NEWS NOTES.

Waukesha, Wis.—Schenck & Bliese have sold out to Fred Bliese.

New Orleans, La.—The Metairie Ridge Nursery finds that larger quarters are necessary for their retail business and have decided to move to 135 Carondelet street. The new store will be remodeled.

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

COLDWELL LAWN MOWERS
Hand—Horse—Motor
Known All Over the World
Catalogue on Request.
NEWBURGH, N. Y.

MICHELL'S Colossal Mignonette

The seed we offer is greenhouse grown, picked from specimen spikes only, and from a strain which has no superior in this country.

Fresh seeds ready now

Trade Packet, 40c \$3.00 per oz.

WHOLESALE FALL CATALOGUE READY NOW

HENRY F. MICHELL CO.
518 MARKET STREET PHILADELPHIA

Farquhar's Flower Seeds for The Florist

Write for our Wholesale
Catalogue

R. & J. FARQUHAR & CO.
Boston, Mass.

**TURNIP SEED
BEANS** } For immediate delivery

LEONARD SEED CO.
226-230 W. KINZIE STREET, CHICAGO

Wholesale
SEED GROWERS AND DEALERS

SEEDS, PLANTS, BULBS

All seasonable kinds of best
quality

Special prices on large lots

JAMES VICK'S SONS,
Seedsmen
ROCHESTER N. Y.

FINEST FLORISTS' SEEDS

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

CHOICE SEEDS

FOR PRESENT PLANTING
Stocks, Asters, Chinese Primulas
etc.

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32 South Market Street, Boston, Mass.

Braslan Seed Growers Co.
Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

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Florists and Seedsmen Sell Your Own Scratch or Poultry Food

We will make it for you under your own brand for
\$33.00 PER TON

Send to-day for sample 100 lb. bag, \$1.75. Mr. C. E. Jensen of Atlantic Co., N. J., on Oct. 27, 1911, writes as follows:—I want to state that your three grades of Poultry Food; Chick Starter, Developing Food and "Square Deal" Scratch or Poultry Food stands without an equal to day. They are perfect mixtures and sound in grain and a pleasure to handle.

J. BOLGIANO & SON,
Importers and Wholesalers. Established for 92 Years.
BALTIMORE, MD.

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CABBAGE**
MANGOLD, SWEDE, TURNIP
LILY OF THE VALLEY PIPS
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COPENHAGEN, DENMARK.

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Established 1820

**Thorburn's
Seeds**

Asparagus Plumosus Nanus

New Crop Just Received

We offer while unsold as follows:

1,000 seeds \$2.50.
5,000 seeds and up @ \$2.25 per 1000
10,000 seeds and up @ 2.00 per 1000
20,000 seeds and up @ 1.75 per 1000

Cold Storage Lily of the Valley Pips

HIGHEST GRADE

Cases of 1000 pips @ \$13.00 per case
Cases of 3000 pips @ 36.00 per case

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NEW YORK

BRIDGEMAN'S SEED WAREHOUSE RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

Sphagnum Moss

In Burlap Bales; per bale \$1.00, 6 bales
for \$5.00, 10 bales for \$8.00.

Larger Lots at Lower Prices.

The W. W. Barnard Co.
108-110 W. Kinzie St., CHICAGO

PARK GARDENING.

Read before the Florists' Club of Philadelphia, August 1st, by Xavier L. E. Schmitt.

To cover the subject of park gardening or park ornamentation would require a much more exhaustive essay than the time allotted me would permit, for in no sphere in which the gardener or superintendent is interested, is there a greater opportunity for diversity, from a horticultural standpoint.

In years gone by the park was a portion of territory set aside for the admiration of the passer-by and rarely was it permissible to divert from the paths or roads and commit the sin of walking on the grass or even to step near some shrub or plant to make close inspection. Fortunately the rank and file of the public who are sufficiently interested in our public parks and pleasure grounds are now accorded every opportunity to make a study of plants and trees to their satisfaction, which has been a great uplift to the public at large, because of the educational feature as well as recreation.

In view of this tendency and desiring to interest the public in our parks we must cater to their wants, or rather introduce new features in floral effects to make our parks and pleasure grounds inviting. Much is being done to use every available space in the heart of the cities in establishing recreation parks and breathing spots for those who will avail themselves of the privilege of using that which the authorities feel have become essential factors for the welfare and comfort of its citizens.

Park ornamental gardening has been for many years a set form, i. e. carpet bedding of high coloring, long lines of strong contrast, and this continues to be a leading feature which the visitors admire as the chief attraction. Unfortunately we cannot vary much in the

plants used as only certain varieties can be used for this work to advantage, but we can change the design and have variety, even though the species are used from year to year.

A greater tendency has been of late years to resort more to narrow strips or borders of unique design in scroll work, and to eliminate large beds of special designs. This from two points of view is an advantage, first lessening the number of plants in the work and second, the narrow scrolls or strips are easier kept in shape. Evergreens are playing a very important part in cluster beds even for color—*Retinosporas*, *Piceas*, *Juniperus*, *Biotas*, *Buxus*, *Pinus*, *Taxus* and *Thuyas* (both pyramidal and bush forms) in particular, as they are not only effective for color, but are also interesting in decided character and form. We count these beds as special features along drives, and when properly grouped, they become beautiful with age and symmetrical growth. Shrubbery of every known variety can be and is used to great advantage. Where trees are not grouped enough to form effect, the shrubs are used for a period with the best results, although they demand much care (and attention) to prevent their growing wildly and with injury to themselves.

Interesting and varying features are being adopted in many parks, as far as planting and care is concerned. I refer to the plan of beds, round, oval, diamond, or star-shaped planted with flowering or foliage plants, along the walks and drives on either side, and which are not duplicated except in one or two instances where formality leaves no other course; i. e. whatever is planted in one bed is not duplicated throughout the grounds; this not only becomes interesting in itself but is one of the strongest means of education. For this purpose every variety of annuals and perennials can be used to advantage. I will here name only a few of the

leading classes: *Delphiniums*, *Paeonies*, *Asters*, *Iris*, *Hollyhocks*, *Rudbeckias*, *Hemerocallis*, *Phlox*, *Campanulas*, *Helianthus*, etc., also *Rhododendron* and *Azalea* groups. We are constantly receiving inquiries from park visitors, asking when certain plants are at their best. This proves to a great degree that the public are becoming observing and in many cases these inquiries come from those who have their own private places with gardeners in charge.

Where conservatories are a part of the park features much can be done in periodical exhibitions of under glass stock, which will keep up the visiting during the entire year.

We must not lose sight of the fact that the parks' most valuable resource and asset is the tree; what would it be without the variation of these towering monarchs in their charming color throughout the year? The gardener or superintendent is an artist indeed who judiciously plants the trees for future effects and in such variety and variation that they will group artistically and enhance their charm as they advance in size with age. Proper planting with open views into the distance lures the pedestrian and those in vehicles to all parts of the grounds. With each year's planting we study the weak points and endeavor to overcome them for the succeeding year. Sometimes our plans are thwarted because of extraordinary seasons of either moisture or drought, or even some new or pernicious insect which proves almost beyond control. In all work of park gardening it must be borne in mind that the most important duty is that of timely preparation for the next season. In Fairmount Park we are equipped with glass, forcing houses frames, pits, etc. Failure in producing the required quantity of any one variety of plants often upsets plans seriously, hence the importance of having a supply beyond our actual needs. We grow for the total bedding



S. A. F. GROUP AT TO

Dreer's Variegated Pineapples

(ANANAS SATIVA VARIEGATA)

We are the first to offer this most beautiful of all variegated foliage plants in quantity and at prices nearly as low as good Pandanus Variegatus. Used for

You will make no mistake in giving these a trial. It will make a change and variety in your foliage plants which will be appreciated by your customers and which will prove a profitable investment to you.

4-inch pots, fine plants	\$0.60 each
5-inch pots, fine plants	1.00 each
6-inch pots, fine plants	1.50 each

PHOENIX ROEBELENI

We offer the most extensive stock in America of this beautiful, graceful hardy Palm. Excellent plants of good value.

2 1/2 inch pots, 18 months' seedlings, \$12.00 per 100; \$100.00 per 1000. Each

4 inch pots, nicely char. seedlings, 1.25

Specimens, 6 inch pots, 1 1/2 feet high, 2 feet spread, 3.00

" " 8 " 2 feet high, 2 1/2 ft. spread, heavy, 5.00

" " 12 " 2 1/2 feet high, 3 1/2 ft. spread, heavy, 12.50

" " 14 " 3 feet high, 4 1/2 ft. spread, heavy, 25.00

" " 15 " 3 1/2 feet high, 5 feet spread, heavy, 50.00

For the most complete line of Decorative Plants and other Seasonable Stock see our Current Wholesale List



HENRY A. DREER, Inc., 714 Chestnut St., Philadelphia, Penna.

in Fairmount Park:—

22,700 Geraniums in eight varieties, John Doyle, J. S. Clippard, S. A. Nutt, Gass Pink, Chicago Seedling, La Favorite, Mrs. Landry and Mme. Sallot for coloring; 9995 Colons in four varieties, Verschaffeltii, Golden Verschaffeltii, Queen Victoria and Golden Bedder; 1414 Ageratum Douglas; 47,030 Alternanthera brilliantissima Prospect Park and aurea nana; 11,647 Echeveria atrosanguinea, imbricata, bracteosa, metallica, resera and globosa extensa; 6890 Sedum aureum; 3664 Eranthemum atropurpureum; 1590 Abutilon; 4850 Acalypha tricolor; 3053 Stevia serrata variegata; 3419 Salvia Mrs. Page; 923 Crotons; 1967 Centaurea delicatissima; 6400 Cannas Mme. Crozy, Souv. de Antoine Crozy, King Humbert, Richard Wallace, Duke of Marlborough and Florence Vaughan; 9129 Pinks; 1185 Daisies; 4000 Chrysanthemums; 73550 Tulips planted at Horticultural Hall; 4300 miscellaneous bulbs for forcing; 56370 Tulips planted in other parts. The list of other stock is too long to state here, so I will only give the total, 324,729.

Convention Gurgles.

"The American Carnation Society won't stand for a March meeting," Dorner-Baur in unison.

"You know what we're up against," J. C. Vaughan. ("I will," Chicago slogan).

"Boston people think they own the earth. They're not in it."—J. B. Nugent.

— M. Barker.

"I'm out of politics," E. G. Hill

"As my friend, Ed Lonsdale used to say 'defeated, but not dismayed. That's me,'" Geo. C. Watson.

"John Young's the candy boy, all right," P. Welch.

"Get together," Wallace R. Pierson.

"Wonder what did it. Do you suppose it was the clams I ate?" Several sufferers.

"— esthetic soul of mankind, New Hub of the Universe," W. R. Smith.

"Only town on earth," Louisville Fans.



JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

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We ship to all points in Illinois and Iowa.

Phones: Aldine 880. Aldine 881. Aldine 882.

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All Orders Given Prompt and Careful Attention



**WASHINGTON,
D. C.**

GUDE'S

The Far-Famed Flowers of
TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP
96 Yonge St., - - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE
Pres.

DENVER, COLORADO

**WILLIAM L. ROCK
FLOWER CO.**

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.

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ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

CHICAGO NOTES.

Labor-Saving Device.

C. N. Dickinson, Mgr. of the E. H. Hunt Co., 131 N. Wabash Ave., is to-day showing his friends a little piece of mechanism which he calls the Fisher Plant Clip. It is simple in construction with nothing to break or get out of order and holds on to the vines with the grip of a bull dog. By actual test, with the aid of the clip two men tied as many carnation plants in one hour as two men tied in ten hours without it. The only difference required is in the outer lengthwise wires of the benches which should be of a little heavier wire than usual. Watch next week's paper for advertisement telling all about it and prices. The E. H. Hunt Co. is the oldest florists' supply house in Chicago and their manufacturing it is a guarantee of its worth. Ready for this fall.

Aviation Meet.

The Aviation Meet of the past week

STEAMER DEPARTURES

Allan.	
Parisian, Boston-Glasgow...	Sept. 1
American.	
Phila., N. Y.-S'hampton...	Sept. 2
Anchor.	
California, N. Y.-Glasgow...	Sept. 2
Atlantic Transport.	
Minneapolis, N. Y.-London...	Sept. 2
Cunard.	
Lusitania, N. Y.-Liverpool...	Aug. 30
Hamburg-American.	
K. A. Victoria, N. Y.-H'burg...	Aug. 31
Pres. Grant, N. Y.-Hamburg...	Sept. 2
Holland-America.	
New Amst'dam, N. Y.-R'dam...	Aug. 29
Noordam, N. Y.-Rotterdam...	Sept. 5
Leyland.	
Canadian, Boston-Liverpool...	Sept. 2
North German Lloyd.	
K. W. der Gr. see, N. Y.-H'burg...	Aug. 29
P. Fr. Wilhelm, N. Y.-Bremen...	Aug. 31
K. Wilhelm II., N. Y.-Bremen...	Sept. 5
Red Star.	
Kroonland, N. Y.-Antwerp...	Sept. 2
White Star.	
Zeeland, Boston-Liverpool...	Aug. 29
Celtic, N. Y.-Liverpool...	Aug. 31
Oceanic, N. Y.-S'hampton...	Sept. 2
Cymric, Boston-Liverpool...	Sept. 5

probably was in the nature of a monetary loss to the Chicago florists. Hundreds of thousands of visitors were here but they were on the lake front and not buying flowers. Some of the retailers had their windows arranged so as to harmonize with the special idea of the week and J. Mangel was particularly successful in producing a monoplane. He also received the order from the Aviation Association for a floral piece to be sent to the family of St. Croix Johnson, who lost his life Aug. 15 when flying at the Chicago meet. Harry Klunker executed the work. It was a thing of beauty and a credit to the designer.

Homeward Bound.

An enthusiastic lot of florists are arriving day by day, each one reporting the Baltimore convention a great success. Michael Pink of Kennicott Bros. was one of the first to return. A card from A. T. Pyfer, states that his party are homeward bound and now the stay-at-homes will have their sorrows intensified by the tales of hospitality, etc., sure to follow.

ALEX. McCONNELL

**571 FIFTH AVENUE
NEW YORK CITY**

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill

Cable Address, ALEXCONNELL

NEW YORK

Orders for Steamer, Theatre, Hotel, or Residence Carefully Filled.

Wm. H. LONG

412 Columbus Ave.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

Established 1874.

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FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph and Cable address, Dardaspier

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points, New York City, New Jersey, etc. At Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

MATTHEWS The FLORIST

DAYTON, OHIO.

Is elegantly equipped to take care properly of all orders for flowers entrusted to him night or day.

For Dayton, Ohio and Vicinity

"THE HOME OF FLOWERS"

The largest cut flower store in America. Orders for the TWIN CITIES and for all Northwestern points given prompt attention.

HOLM & OLSON, Incorporated

ST. PAUL, MINN.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your retail orders to

EDWARD MACMULKIN

194 Boylston Street, Boston

LOUISVILLE, KY.

JACOB SCHULZ,

550 South Fourth Ave.

WE'RE NO PIKERS

You know it if you were at Baltimore.
We made **THE HIT OF THE SHOW**

LARGEST, MOST ATTRACTIVE AND MOST NOVEL

display ever made at any florists' exhibition in this country, rich in many unique novelties, shown for the first time and **Exclusively Our Specialties.** We had six representatives present, including our Mr. H. Bayersdorfer who recently returned from his European trip.

Three Certificates of Honorable Mention

were awarded us by the Judges for our new introductions. Don't fail to send for our superb new Illustrated Catalogue of Florists' Goods. It will be ready about September 1, and will be the finest ever issued.

H. BAYERSDORFER & CO.

1129 Arch Street, - - - PHILADELPHIA, PA.

The Florist Supply House of America.

Trade Jottings.

W. F. Vlk has added new wall cases and shelving to his retail store at 51st street and Ashland avenue. Mrs. Vlk, who had a serious case of blood poisoning is gaining slowly.

P. M. Bryant, Sec'y of the E. H. Hunt Co., left on Monday for a trip to Northern Wisconsin. He predicts the new Elastic-Lyke putty will be a great success, for the trial orders are being followed now by large ones.

A. Meyer, who specializes in asters, says the weather this season has not been favorable to the crop. Short stems and many imperfect blooms are complained of. A new house of modern construction is being added this year.

The Geo. Wittbold Co. of Edgemoor are cutting their first dahlias this

week. Otto Wittbold says the supply of kentias and cycas are unusually fine this year, the conditions seemingly being just right to make them at their best. Gladioli are coming slower which he, as well as all other growers, appreciate.

Personal.

Mrs. E. H. Horton, for many years bookkeeper for Bassett & Washburn, has just returned from a much needed rest.

Paul Bloom is so far recovered that he is able to spend a portion of his time in the store again, which is being thoroughly overhauled.

Mr. and Mrs. H. C. Willbrandt of The Globe Greenhouses, West Madison street, have just returned from a five-weeks' auto trip. They covered over 3000 miles without a single mishap and report a very enjoyable time.

Mr. and Mrs. George Walther, 6th street, who have been in California for the past six weeks, returned Saturday. Mr. Walther is loud in his praises of the Pacific coast, but says Chicago is good enough for the man who has an established business here.

Henry Weis of L. A. Badlong's who sale store is at Tomahawk Lake, Wis. Next week Chas. Zoepke will leave for a rest in Michigan. Miss Russell, who has not been with this firm long enough to entitle her to a vacation, is entertaining her friend Miss Hunter at St. Louis, Mo.

Charlotte Mechelsen has had an extended vacation in Michigan, and is all ready for the opening of the retail season. Miss Mechelsen's retail store at 17th street and Grand Blvd. has been made attractive during the cold

season, which, by the way, is never very dull here. Miss Elizabeth Mechelsen who has assisted in the store the past year has now returned to Keokuk, Ia.

Visitors: Arthur Newell, Kansas City, Mo.; Mr. and Mrs. J. S. Wilson, Des Moines, Ia.; P. A. McDonald, Logansport, Ind.; Walter Coles, Kokoma, Ind.; Paul Paliz, Little Rock, Ark.; Mr. Blackman, Evansville, Ind.; Mr. Schwartz, of Lehmaier, Schwartz & Co., New York; Claud Wisely, Wiseley Greenhouses, Murphysboro, Ill.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edw. MacMulkin, 194 Boylston St.

Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.

Buffalo, N. Y.—Palmer's 304 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.

Dayton, O.—Matthews, The Florist.
Denver, Col.—Park Floral Co., 1643 B'way.
Detroit, Mich.—J. Breitmeyer's Sons, Main and Gratiot Ave.

Kansas City, Mo.—Samuel Murray, 912 1st Ave.
Kansas City, Mo.—Wm. L. Rock Flower, 1116 Walnut St.

Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
New York—David Clarke's Sons, 2139 11 Broadway.

New York—Alex. McConnell, 611 5th Ave.
New York—W. H. Long, 412 Columbus Ave.
New York—Young & Nugent, 42 W. 28th.

New York—Dards, N. E. cor. 44th St. & Madison Ave.
St. Paul, Minn.—Holm & Olson.

Toronto, Can.—J. H. Dunlop, 96 Yonge St.
Washington, D. C.—Gude Bros., 1214 F St.

Wellesley, Mass.—Talby.

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FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points.

THOS. F. GALVIN

124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN

1 Park St., Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockledge Hall
Schools. TALBY, Wellesley, Mass.

Tel. Wellesley 44-1 and 2. Night 44-3

ASTERS

The Best, per 100 - - - - \$2.00
 Firsts, per 100 - - - - \$1.00 to \$1.50
 For Design Work, per 1000 - - - \$7.50

We are offering now the choicest stock on the market in any quantity. We claim there are no better asters coming to Philadelphia, and can surely please you when in need of Asters.

The Leo Niessen Co.

Wholesale Florists

1209 Arch Street, - PHILADELPHIA, PA.

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THE TWENTIETH ANNUAL SALE OF
 STALLS IN THE

BOSTON FLOWER EXCHANGE MARKET

Basement of Park St. Church, 1 Park St., Boston, will
 take place Saturday, Sept. 2, 1911, at 9.30 o'clock, A.M.

W. C. STICKEL
 Pres.

GEORGE CARTWRIGHT
 Treas.

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 FLORIST'S
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68 PEARL ST., BOSTON

N. F. McCarthy, Mgr.

Order direct or buy from your local
 supply dealer. Insist on having the

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 in Stock.

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
 ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	BOSTON Aug. 24	CHICAGO Aug. 22	ST. LOUIS Aug. 22	PHILA. Aug. 22
Ara. Beauty, Fancy and special	15.00 to 25.00	20.00 to 25.00	20.00 to 25.00	20.00 to 30.00
" Extra	10.00 to 15.00	15.00 to 20.00	10.00 to 15.00	12.00 to 18.00
" No. 1	6.00 to 10.00	10.00 to 12.00	6.00 to 8.00	8.00 to 10.00
" Lower grades	2.00 to 4.00	6.00 to 8.00	2.00 to 4.00	4.00 to 6.00
Richmond Chatsenay, Fancy & Spl.	3.00 to 5.00	6.00 to 10.00	3.00 to 5.00	5.00 to 6.00
" Lower grades	.50 to 2.00	3.00 to 5.00	2.00 to 4.00	2.00 to 3.00
Killarney, Maryland, Fan. & Spl.	2.00 to 5.00	6.00 to 10.00	4.00 to 6.00	4.00 to 6.00
" Lower grades	.50 to 2.00	3.00 to 5.00	2.00 to 4.00	2.00 to 4.00
Bride, 'Maid	.50 to 4.00	3.00 to 8.00	2.00 to 3.00	5.00 to 6.00
Kaiserin, Carnot, Taft	2.00 to 5.00	5.00 to 8.00	3.00 to 4.00	2.00 to 8.00
CARNATIONS, First Quality	1.00 to 1.50	2.00 to 2.50	2.00 to 3.00	1.00 to 1.50
" Ordinary	.50 to .75	1.00 to 1.50	.50 to 1.00	1.50 to 2.00
MISCELLANEOUS				
Cattleyas	40.00 to 60.00	30.00 to 50.00	10.00 to 15.00	10.00 to 15.00
Lilies, Longidorum	4.00 to 5.00	5.00 to 8.00	8.00 to 10.00	10.00 to 12.50
Lily of the Valley	2.00 to 4.00	2.00 to 4.00	3.00 to 4.00	2.00 to 4.00
Chrysanthemums	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Gladioli	.50 to 3.00	2.00 to 5.00	2.00 to 3.00	2.00 to 5.00
Asters	.35 to 1.50	1.00 to 1.50	.50 to 1.00	1.00 to 3.00
Daisies	.50 to .75	.50 to 1.00	.50 to .75	1.00 to 1.50
Dahlias	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Sweet Peas	.15 to .50	.50 to 1.00	1.00 to 1.50	.50 to .75
Gardenias	16.00 to 25.00	10.00 to 15.00	10.00 to 15.00	10.00 to 15.00
Adiantum	1.00 to 1.50	1.00 to 1.50	1.00 to 1.25	1.00 to 1.50
Smilax	12.00 to 15.00	15.00 to 18.00	12.50 to 15.00	10.00 to 15.00
Asparagus Plumosus, strings (100)	16.00 to 50.00	50.00 to 60.00	35.00 to 50.00	35.00 to 50.00
" " & Spreu. (100 bchs)	16.00 to 50.00	25.00 to 40.00	10.00 to 30.00	25.00 to 50.00

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82-84-86 E. Randolph St., Chicago
 OUR STOCK IS A-1 AND IT IS QUALITY NOT
 PRICES THAT TALKS

Chicago Flower Growers' Association

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176 N. MICHIGAN AVE., BETWEEN RANDOLPH
 AND LAKE STREETS, CHICAGO

TRY MY PRICES.

J. JANSKY, Tel. Main 3852-1, Boston, Mass.
 19 Province St.,

Manufacturer of Florist Wire Designs,
 All kinds of Florist Supplies.

New crop Dagger and Fancy Ferns, \$1.75
 per 100. Green and Bronze Galax, 90c. per
 1000; by the case, \$7.50. Boxwood, 50-lb.
 cwt., \$7.50; by the lb., 25c. Laurel Wreaths,
 10-inch, \$1.75 per doz.; 12-inch, \$2.25 per
 doz.; 14-inch, \$3.00 per doz.; 16-inch, \$4.00
 per doz. Laurel Trimming, 4 and 5c. per yd.

HENRY M. ROBINSON & CO.

15 Province St., 9 Chapman Pl.,
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Everything in Flowers

Complete Stock of Florists' Greens,

Three Floors of Florists' Supplies.

PETER REINBERG WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

George B. Hart

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24 Stone St., Rochester, N.Y.

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WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention to shipping orders. Job-
 bers of Florists' Supplies, Seeds and Bulbs.
 Price list on application.

Phone Main 584, 316 Walnut St., Cincinnati, O.

Flower Market Reports.

Summer trade has kept **BOSTON** up pretty well in this market for a time, but at present the increased cut of asters, gladioli, etc., has overloaded the wholesale places and caused a slump from the prices that have prevailed of late. Asters are so plentiful that it is not possible to find an outlet for them except at cut rates. Nobody can find fault with the quality which is all right. Gladioli of the Shakespeare, Lafayette, Mrs. King and America type are selling fairly well, but the influx of heavy invoices of mixed gladioli from outside sources at very low figures makes it impossible to realize adequate prices for these excellent and popular varieties. Roses are at the lowest round of the ladder. As a rule they have been good excepting the small flowers from young plantations, and these it is not possible to dispose of, even the street fakins shunning them. The newer varieties of roses, especially Prince de Bulgarie and Lady Hillingdon seem to have struck the popular fancy and are selling well. Other things normal for the season.

A dull week has passed;

BUFFALO nothing doing from Monday to Friday, and then Saturday being only a fair clean-up day. From the wholesaler's point of view, it was the quietest of the summer season. Stock accumulated early in the week, and when unloading day came, which is looked for on Friday and Saturday, the largest portion remained with them. Gladioli are very plentiful, especially in the mixed colors, and seem to remain long. Only a part of the fancy varieties move to advantage. The winding up of the early crop of asters brought in everything that had a stem, and there were plenty. Only a few choice branching are had, but the week coming will bring them in better quantity and quality. There is an over supply of short roses, especially white and pink Killarney, which are mildewed and hard to dispose of. There are some good summer roses, and Maryland in the extra and fancy grades, all readily. It is hoped that market conditions will improve the coming week.

The glut in gladioli that **CHICAGO** prevailed last week has passed, and with the lesser quantity comes a little increase in the demand, so that there can really be said to be a demand for anything, but it comes nearer to it than any time last year when business was practically at a standstill. All attention was on dahlias, and the aviation field held more attractions than social events, so aside from a few funeral orders there was no use for flowers, and most of the retailers might as well have closed their doors and followed the crowds. Dahlias are coming in now, the first ones appearing this week. Asters are still holding most of the space on the counters, and on many of them no price prevails. Of the best sales



A MAGNIFICENT LOT OF

FIELD GROWN CARNATION PLANTS

Stock selected and grown especially for us. We wish to call particular attention to the Mrs. C. W. Ward plants, which are in extra fine shape. Our guarantee goes with every carnation plant we send out, thus insuring to you the very best of quality and satisfaction.



	Per 100	Per 1000		Per 100	Per 1000
Mrs. C. W. Ward.....	\$8.00	\$75.00	Winona	\$7.00	\$60.00
Dorothy Gordon.....	8.00	75.00	Winsor	6.00	50.00
Enchantress	7.00	60.00	Alma Ward.....	10.00	
White Perfection....	8.00	75.00	Pennsylvania	7.00	60.00
Beacon	8.00	75.00	A few White Wonder.....	10.00	

Distributing Agents for the great new roses for 1912.

DOUBLE WHITE KILLARNEY AND KILLARNEY QUEEN.

Write us for particulars and prices. Orders booked now.

S. S. PENNOCK-MEEHAN CO.

THE WHOLESALE FLORISTS OF PHILADELPHIA

NEW YORK
109 W. 28th Street

PHILADELPHIA
1608-1620 Ludlow Street

WASHINGTON
1212 New York Ave.

WHOLESALE FLOWER MARKETS.—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	CINCINNATI Aug. 15	DETROIT Aug. 15	BUFFALO Aug. 15	PITTSBURG Aug. 22
Am. Beauty, Fan, and Sp.	15.00 to 20.00	20.00 to 25.00	20.00 to 25.00	25.00 to 30.00
" Extra	10.00 to 15.00	10.00 to 15.00	10.00 to 15.00	10.00 to 15.00
" No. 1	5.00 to 10.00	5.00 to 10.00	5.00 to 10.00	5.00 to 10.00
" Lower grades	2.00 to 5.00	2.00 to 5.00	2.00 to 5.00	2.00 to 5.00
Richmond, Chateaux, Fan, & Spl.	5.00 to 10.00	5.00 to 10.00	5.00 to 10.00	5.00 to 10.00
" Lower Grades	2.00 to 5.00	2.00 to 5.00	2.00 to 5.00	2.00 to 5.00
Killarney, Maryland, Fan, & Spl.	1.00 to 5.00	1.00 to 5.00	1.00 to 5.00	1.00 to 5.00
" Low Grades	1.00 to 5.00	1.00 to 5.00	1.00 to 5.00	1.00 to 5.00
Bride, 'Maid,	2.00 to 5.00	2.00 to 5.00	2.00 to 5.00	2.00 to 5.00
Kaiserin, Carnot, Lalt	2.00 to 5.00	2.00 to 5.00	2.00 to 5.00	2.00 to 5.00
CARNATIONS, First Quality	5.00 to 10.00	5.00 to 10.00	5.00 to 10.00	5.00 to 10.00
" Ordinary	2.00 to 5.00	2.00 to 5.00	2.00 to 5.00	2.00 to 5.00
MISCELLANEOUS				
Cattleyas	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Lilacs, Longiflorum	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Lily of the Valley	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Chrysanthemum	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Gladioli	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Asters	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Daisies	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Dahlias	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Sweet Peas	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Gardenias	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Adiantum	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Smilax	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Asparagus Plumosus, strings (too)	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
" " & Spreng. (too brs.)	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00

last week were very slow, and only wholesalers having a shipping trade disposed of any considerable quantity of their stock. This week, the last one

in August, opens a little better, and the trade in general is hopeful that better days are near at hand.

Continued on page 314

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 Successor to
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 121 West 28th Street NEW YORK
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 A Full Line of All CUT FLOWERS.
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 Mad. Sq.

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Aug. 19 1911		First Half of Week beginning Aug. 21 1911	
American Beauty, Fancy and Special.....	15.00	to 20.00	15.00	to 25.00
" " Extra.....	5.00	to 12.00	8.00	to 12.00
" " No. 1.....	2.00	to 4.00	4.00	to 6.00
" " Lower Grades.....	.50	to 1.00	.50	to 1.00
Richmond, Chatsenay, Extra and Special.....	2.00	to 4.00	2.00	to 4.00
" " Lower Grades.....	.50	to 1.00	.50	to 1.00
Killarney, My Maryland, Extra and Special.....	2.00	to 4.00	1.00	to 4.00
" " Lower Grades.....	.50	to 1.00	.15	to .50
Bride, 'Auld.....	.50	to 3.00	.50	to 3.00
Kaiserlin, Carnot Taft.....	2.00	to 6.00	1.00	to 6.00
Carnations, First Quality.....	1.00	to 1.50	1.00	to 1.50
" " Ordinary.....	.50	to .75	.50	to .75

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Wholesale Florist
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 Telephone 7062 Madison

Wired Toothpicks
 Manufactured by
W. J. COWEE, BERLIN, N. Y.
 25,000... \$1.75; 50,000... \$7.50. Sample free.
 For sale by dealers

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WHOLESALE FLORISTS
Choice Cut Flowers
 CONSIGNMENTS SOLICITED
 54 West 28th St., NEW YORK
 Prompt Payments. Telephone 3559 Madison Sq

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Wholesale Florist
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 Shipments, any quantity, Whole-
 sale Market Rates.

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Tel. 4891 Main

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Wholesale Florists
383-387 ELLICOTT ST. - - BUFFALO, N. Y.

Flower Market Reports

(Continued from page 1)

The past week has been one of the dull-est of the season. Everything is stagnant, and the Baltimore Convention might as well have extended over another week, so far as the wholesalers' absence from the seat of trade is concerned. Roses are perhaps the most humiliated and humiliating item in the list. They are decidedly bad, and nobody wants them. American Beauty is the only exception, and in that respect it is but spasmodic. Asters and gladioli clog the wholesale channels, and are not worth the cost of sending them to market, the flowers being small and unfinished, a result of the abnormal weather conditions prevailing hitherto. Hydrangeas are being sent in in large quantities, also tritomas and other hardy garden material, all of which has an uphill struggle to get recognition in these dull times. The situation just now is simply a patient wait for a seasonable improvement to develop.

There was very little improvement in local trading last week. The market seems to be at its lowest ebb. The wholesale houses had the blues until a little rift came in the clouds in the shape of outside orders. These latter gave a welcome fillop to the general situation and relieved it somewhat. But on the whole it was a poor week, and we see no medals on any part of it. The great flower at present is, of course, the aster. There are some good ones now. We saw some beauties for the first time this year at Pennock Bros. We were told that they were grown by William Didden, and we can well believe it, as we had the opportunity this time last year of seeing what he could do. In spots, there are some other grades of asters that are pretty good. They are improving. In regard to gladioli; these although on the wane now—as to quantity—are still coming in of excellent quality, and meet with ready sale. The rose market remains about as last reported. The "Rhode Island Reds," which term means eastern-grown American Beauty, hold their own pretty well, and while in rather small supply, still seem enough to fill the bill, and there is no appreciable change in prices. The Kaiserin market has improved. Some very fine stock is coming in at present. Maryland is a little

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Aug. 19 1911		First Half of Week beginning Aug. 21 1911	
Cattleyas.....	20.00	to 50.00	20.00	to 75.00
Lilies, Longiflorum.....	4.00	to 5.00	4.00	to 5.00
Lily of the Valley.....	1.00	to 4.00	1.00	to 3.00
Chrysanthemums.....	.....	to .....	.....	to
Gladioli.....	40	to 1.00	35	to 1.00
Asters.....	25	to 1.00	25	to 1.00
Daisies.....	10	to .25	10	to .25
Dahlias.....	.....	to .....	.....	to
Sweet Peas (per 100 bunches).....	1.00	to 3.00	1.00	to 3.00
Gardenias.....	15.00	to 20.00	15.00	to 20.00
Adiantum.....	.50	to .75	.50	to .75
Saxifex.....	5.00	to 8.00	5.00	to 8.00
Asparagus Platanus, strings.....	.....	to 35.00	.....	to 35.00
" " & Sprea. (100 bchs).....	10.00	to 20.00	10.00	to 20.00

off, and pink Killarney has the advantage most distinctly for the time being. Most other stocks normal. Orchids very scarce; a few good Cattleya Harrisoni—and that is all.

Business has picked up somewhat, and the local retailers have bought considerable stock during the last week, but daily consignments have been so heavy in asters, roses, gladioli and tuberoses spikes that there is plenty left over. As to prices for the various grades and varieties we can only say that they have been very low. Tuberoses of the single ever-blooming type are coming in in large lots and are down to \$1.00 per hundred spikes, while ten days ago they brought \$2.00 to \$4.00 per hundred.

AUCTION SALE OF MARKET STALLS

The Boston Flower Exchange, 1 C. Park St., will hold its annual sale of choice of stalls on Saturday morning, September 2. Don't forget this important event. See advertisement.

The Boston Co-Operative Flower Market, 2 Park St., will hold its sale at the same time.

NEWS NOTES.

Kansas City, Mo.—Sam Murray is putting in new boilers and getting his place in readiness for a good winter's business. Miss Mary Hayden, his popular store manager, is enjoying a two months' vacation.

San Francisco, Cal.—The Pacific Coast Horticultural Society, an organization composed of florists, nurserymen and gardeners, in San Francisco, has inaugurated a movement closing all florist shops at noon, beginning Sunday, August 13. The movement is meeting with general favor.

PHILADELPHIA NOTES.

A sensation of the trade display for many florists was the exhibit of M. Rice & Co. of their new prepared cycas leaves. It is difficult to tell this from the natural. Absolutely distinct from the painted leaves. The process is a German patent which the firm controls in the U. S., and was appropriately awarded "Honorable Mention Certificate" by the S. A. F.

A stag party was arranged on Tuesday in honor of Will Currie of Milwaukee, by John Westcott. Some went by auto, some went by train. H. H. Battles, John Burton, Daniel Donoghue, Dr. Lane, Robert Craig and others were in it. The objective point, of course, was the bungalow on Barnegat Bay. It was the old Isle of Pines crowd. Westcott, Donoghue, Craig, Lane, and as special compliment to Will Currie, Mr. Burton gave the guest and as many of the party as possible the delight of seeing Jersey by auto.

Visitors: Victor Bergman of Weinhoeber Co., Chicago, Ill.; Wm. C. Young, St. Louis, Mo.; D. Carmichael of J. M. McCullough's Sons, Cincinnati, O.; W. G. Van Nanne, Brooklyn, N. Y.; Charles L. Baum, Knoxville, Tenn.; H. B. Howard, Chicago, Ill.; Mr. and Mrs. C. C. Pollworth, Milwaukee, Wis.; The Misses Mellenthal, Coblenz, O.; Mr. Daniel, Penn Fl. Co., Boston, Mass.; G. C. McCallum, Pittsburgh, Pa.; Wm. J. Stewart, Boston, Mass.; A. E. Thatcher, Arnold Arboretum, Boston, Mass.; William Currie, Milwaukee, Wis.; H. Papworth, New Orleans, La.; Geo. A. Robinson, Montreal, Canada; M. C. Kent, Kent Bros., Newark, O.; George W. Smith of Cleveland (O.) Florists' Exchange; S. A. Anderson, Buffalo, N. Y.; Mr. Stulb, of Stulb's Nursery, Augusta Ga.

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Strong seedlings,
50c per 100; \$4.00 per 1000 prepaid.
P. Pearson, 5732 Gunnison St., Chicago.

ANNUAL SALE OF STALLS

Boston Flower Exchange, Boston, Mass.
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Boston Co-operative Flower Market, Boston, Mass.

ARAUCARIAS

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ARTSTONE FLOWER VASES

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Asparagus Plumosus Nanus.
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Asparagus Sprengerii, large 4-inch, \$1.50
per doz., \$10.00 per 100. Edw. Doege, 4344
N. Springfield Ave., Chicago, Ill.

Asparagus Plumosus, extra fine plants,
2 1/2 inch, \$3.00 per 100. Sprengerii, 2 inch,
\$2.00 per 100. Cash. John Bauscher, Jr.,
Freeport, Ill.

Asparagus Sprengerii and Plumosus, fine
extra strong healthy stock from 3 in. pots,
\$4.00 per 100, cash. No better stock ever
offered for the money. Plant now to cut
from O. B. Kenrick, 52 Alexander Ave.,
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Bay Trees and Box Trees, all sizes
Write for special List
Julius Roehrs Co., - - Rutherford, N. J.

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Kroeschell Bros. Co., 466 Erie St., Chicago.
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BOUVARDIAS

Single bouvardias, pink and white.
Strong 2 1/2 in. plants, \$2.50 per 100; \$22.50
per 1000. Now is the time for benching,
and pinching them back until Oct. 15 will
give you lots of flowers Xmas and will pay
you better than mums, with less trouble.
Cash, please. Morel Bros., 622 E. Market,
Scranton, Pa.

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Box Trees all sizes. Ask for special list.

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Rickards Bros., 37 East 19th St., New York.
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New York.

Horseshoe Brand.

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James Vick's Sons, Rochester, N. Y.
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Loechner & Co., New York, N. Y.
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John Lewis Childs, Flowerfield, L. I.
Fall Bulbs.

For page see List of Advertisers.

The W. W. Barnard Co., Chicago, Ill.
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E. S. Miller, Wading River, N. Y.
Bulbs and Roots for Fall Planting.
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CACTI

My choice, 25 var., \$3.00; 50 var., \$8.00;
100 var., \$25.00; 100 in 10 var., \$10.00; suc-
culents, 20 var., \$1.00; 50 var., \$4.00; 100
var., \$12.00; 100 in 10 var., \$4.00. Cash with
order. Charges paid. A. G. Greiner, 4419
Natural Bridge Rd., St. Louis, Mo.

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Field-Grown Carnation Plants.
For page see List of Advertisers.

CARNATIONS—Continued

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FIELD-GROWN CARNATIONS—White
Enchantress, Fair Maid, Harry Fenn, Law-
son, Winsor, Queen, Beacon. Thomas
Capers, Wellesley Hills, Mass.

Carnations, field-grown, strong plants,
Enchantress, Winsor, White Perfection,
Queen, Harry Fenn, \$6.00 per 100, cash.
Chas. H. Green, Spencer, Mass.

35,000 field-grown Carnation Plants; Dor-
othy Gordon, Pink Delight, White Enchan-
tress and Mrs. C. W. Ward, \$8.00 per 100;
\$75.00 per 1000. Enchantress, White Per-
fection and Winsor, \$7.00 per 100; \$60.00
per 1000. A. L. Young & Co., 54 West 28th
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Field-Grown Carnation Plants.

Extra strong, well branched.

	100	1000
7000 Enchantress, Light Pink..	\$6.00	\$55.00
2000 Beacon, Red.....	6.00	55.00
1000 Sangamo, Pink.....	7.00	60.00
3000 Boston Market.....	5.00	45.00

Cash with order.

John Bauscher, Jr., Freeport, Ill.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per
1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CEMENT BENCHES

E. H. Hunt, Chicago, Ill.

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Herrington's book on the Chrysanthemum mailed to your address for 50c., by
Horticulture Publishing Co., 11 Hamilton
Place, Boston.

Chrysanthemums, rooted cuttings, Mon-
rovia, Polly Rose, \$12.00 per 100. Violets,
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1000. Chas. Leuker, Freeport, L. I., N. Y.

Chrysanthemum, rooted cuttings, B. Hal-
liday, Amorita, Ivory, Yellow Jones, Min-
nie Bailey, Y. Bonaffon, Rosiere, Polly
Rose, \$10.00 per 1000. Cash please. Hil-
pert & Hammen, 313 Belair Road, Balti-
more, Md.

CHRYSANTHEMUM CANES

Wm. Elliott & Sons, New York, N. Y.
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CINERARIAS

Cinerarias, best strain dwarf, 2 1/2 in., \$2.00
per 100; 300 for \$5.00. J. C. Schmidt, Bris-
tol, Pa.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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CUT FLOWER BOXES

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made.
Write for list. Holton & Hunkel Co., Mil-
waukee, Wis.

CYCLAMENS

Cyclamen—Best Varieties in different
colors, 3 inch pots, strong plants, \$10.00
per 100, \$90.00 per 1000. Julius Roehrs
Company, Rutherford, N. J.

DAHLIAS

Herbert, Acto, N. J.

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R. Vincent, Jr. & Sons Co., White Marsh,
Md.

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DAHLIAS—Continued

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

Dahlias, divided roots, from 1 to 3 eyes to the piece. Send for list and get the latest varieties. W. P. LOTHROP, Brockton Dahlia Farm, E. Bridgewater, Mass.

DAHLIAS NEW FOR 1911.

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williamstown Junction, N. J., Post Office, Berlin, N. J.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.

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John Scott, Brooklyn, N. Y.

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EVERGREENS

New England Nurseries, Bedford, Mass.

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Boblink & Atkins, Rutherford, N. J.

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John Scott, Brooklyn, N. Y.

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Frank Oechalin, 4011 Quincy Street, Chicago.

Ferns for Dishes.

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Robert Craig Co., Philadelphia, Pa.

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F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

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Joseph Heacock, Wyncote, Pa.

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The George Wittbold Co., Chicago, Ill.

Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Shot Hills, N. J.

Bostons, strong 5 and 6-inch plants from bench ready by Oct., \$15.00 and \$25.00 per 100. Edw. Doege, 4344 N. Springfield avenue, Chicago, Ill.

FERTILIZERS

20th Century Plant Food Co., Beverly, Mass.

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Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.

Wizard Brand Cattle Manure.

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Hardwood ashes, best fertilizer on earth for lawns and gardens. George Stevens, Peterborough, Ont., Canada.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.

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FLORISTS' LETTERS

Boston Florist Letter Co., 60 Pearl St., Boston, Mass.

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FLORISTS' SUPPLIES

N. F. McCarthy & Co., 84 Hawley St., Boston.

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H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.

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M. Rice & Co., 1220 Race St., Phila., Pa.

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Syracuse Pottery Co., Syracuse, N. Y.

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Peters & Reed Pottery Co., Zanesville, O.

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FORGET-ME-NOTS

Forget-me-nots, 1500 Royal Blue, 2 1/4 in. pots, 2000 Victorias in flats, large plants, \$2.00 per 100. Cash. M. B. Saunders Co., 25 Burnett St., Providence, R. I.

FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

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Kervan Co., New York.

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H. M. Robinson & Co., 15 Province St.

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R. Vincent, Jr. & Sons Co., White Marsh, Maryland.

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GLADIOLUS

John Lewis Childs, Flowerfield, L. I., N. Y.

Frank Banning, Kinsman, O.

New Gladiolus Niagara.

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Silver Trophy and Florist Mixture Gladiolus bulbs, 10,000, large also small sizes, for sale in October. S. E. Spencer, 58 Congreve St., Roslindale, Mass.

GLASS

Boston Plate & Window Glass Co., Boston.

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Standard Plate Glass Co., 26-30 Sudbury St., Boston.

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Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.

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Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.

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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

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Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.

Peerless Glazing Point

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GOLD FISH

Gold fish, aquarium plants, snails, etc. etc., glasses, aquarium fish foods, nets etc., wholesale. Franklin Barrett, breeder 4815 D St., Philadelphia, Pa. Large breeding pairs for sale. Send for price lists.

GREENHOUSE GLAZING PUTTY

E. H. Hunt, Chicago, Ill.

Elastic-Lyke.

GREENHOUSE BUILDING MATERIAL

A. T. Stearns Lumber Co., Neponset, Boston.

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Pecky Cypress for Benches.

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Foley Mfg. Co., Chicago.

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Hitchings & Co., 1170 Broadway, N. Y.

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Lord & Burnham,

1133 Broadway, New York.

Pierson U-Bar Co., Madison Ave., New York

Designer and Builder.

GUTTERS

King Construction Co., N. Tonawanda, N. Y.

King Channel Gutters.

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HAIL INSURANCE

Florists' Hall Asso. of America.

J. G. Esler, Saddle River, N. J.

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P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.

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New England Nurseries, Bedford, Mass.

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Boblink & Atkins, Rutherford, N. J.

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HIMEROCALLIS LILY

Hylya, \$2.50 per 100. C. S. Harrison's Select Nursery Co., York, Neb.

HOSE

H. A. Dreer, Philadelphia, Pa.

HOT-BED SASH

A. T. Stearns Lumber Co., Neponset, Mass.

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F. R. Pierson Co., Tarrytown-on-Hudson, New York.

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INSECTICIDES

Eastern Chemical Co., Boston, Mass.

Imp. Soap Spray.

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in writing to Advertisers kindly mention Horticulture

INSECTICIDES—Continued

Nicotide kills all greenhouse pests.
P. R. Palethorpe Co., Owensboro, Ky.
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Stumpp & Walter Co., New York.
Kiln-dried Tobacco Dust.
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Aphine Manufacturing Co., Madison, N. J.
Aphine.
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E. H. Hunt, Chicago, Ill.
To-Bak-Ine Products.
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Wilson Plant Oil and Fertilizer Co., New York, N. Y.
Wilson Plant Oil.
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Hammond's Paint & Slug Shot Works.
Fishkill-on-Hudson, N. Y.
Hammond's Copper Solution and Slug Shot.
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Acme Nicotine Insecticides sold direct to the grower. Acme 45 per cent. Liquid, pint \$1.75; gallon \$12.50. Acme Fumigating Paper, case of 288 sheets \$5.50. Sample can of 24 sheets 60 cents, postpaid. J. P. Beermaker, 9 Washington Ave., St. Louis, Mo.

IRIS

Khedive, \$6.00; Celestie, Chalcedonia, Elizabeth and Aurea \$5.00; Florescens, Madam Checan, Margolin, Marmora, Nymph, Pallida Speciosa, and Queen of May, \$4.00; Florentina White, and Purple Queen, \$3.00; Delicata, and Sans Souci, \$2.50; Pumbilla, and Siberian Blue, \$2.00 per 100. C. S. Harrison's Select Nursery Co., York, Neb.

JAPANESE LILIES

Lochner & Co., New York, N. Y.
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Bobbink & Atkins, Rutherford, N. J.
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A. Leuthy & Co., Roslindale, Mass.
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LANDSCAPE GARDENING COURSE.
Home Correspondence School, Springfield, Mass., Dept. 8.
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LILAC

Purple, 3 to 4 feet, six to fifteen branches, an ideal hedge as it stands, \$10.00 per 100. C. S. Harrison's Select Nursery Co., York, Neb.

LILIUM HARRISII

F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
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LILIUM MULTIFLORUM AND GIGANTEUM

R. M. Ward & Co., New York, N. Y.
Horse Shoe Brand.
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MASTICA

F. O. Pierce Co., New York, N. Y.
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MIGNONNETTES

Mignonette Defiance, 2 in., strong plants, \$2.00 per 100. Cash. M. B. Saunders Co., 25 Burnett St., Providence, R. I.

NICO-FUME

Kentucky Tobacco Product Co., Louisville, Ky.
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NIKOTEEEN APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.
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Bobbink & Atkins, Rutherford, N. J.
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Hardy, Northern Grown Stock.
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Direct Importations.
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The George Wittbold Co., Chicago, Ill.

R. & J. Farquhar & Co., Boston, Mass.
Norway Spruce.

F. A. Bolles, Brooklyn, N. Y.
Vinca Minor.

TREES, SHRUBS, ROSES, EVER-GREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00 by Horticulture Publishing Co., 11 Hamilton Place, Boston.

ONION SETS

Leonard Seed Co., Chicago, Ill.
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For Sale. Winter Onion Top Sets, select stock. A. S. Pett, Crawfordsville, Ind.

Egyptian Winter Top onion sets, good stuff, \$2.25 bushel. J. F. Hammar, Nashua, N. H.

ORCHID FLOWERS

Jas. McMannus, New York, N. Y.
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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh imported and Established Orchids.
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Ordenez Bros., Madison, N. J., Box 108.
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Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
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Orchids—largest stock in the country. Store plants and Crotons, finest collection. Julius Roehrs Co., Rutherford, N. J.

Orchid Growers' Manual. By B. S. Williams, 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

Edward V. Low, late of Hugh Low & Co., dissolved, Vale Bridge, Haywards Heath, England. "White" Cattleyas and Choice Cypripediums are leading features.

PALMS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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Joseph Hancock, Wyncote, Pa.
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Lochner & Co., New York, N. Y.
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The George Wittbold Co., Chicago, Ill.

PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
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PEONIES

W. L. Gumm, Remington, Ind.
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Send for surplus list. C. S. Harrison's Select Nursery Co., York, Neb.

PEONIES—1200 sorts, an enormous stock List ready. C. Betscher, Canal Dover, O.

Peonies in any quantity. Write for prices on list of your wants. Gilbert H. Wild, Sarcoxie, Mo.

Peonies, over 500 varieties, embracing most of the finest foreign and American varieties. Send for list. W. L. Gumm, Peony Specialist, Remington, Ind.

Peony Chinesis -divisions, 2 to 3 eyes. Humel late pink and Hortense, Tyrian red \$3.00 per 100; Festiva alba, early white, Duchess de Orleans, early pink, Comte de Jussier very early white and sulphur, \$5.00 per 100. Cash with order. Thomas J. Oberlin, Sinking Spring, Pa.

PETUNIAS

Petunias (Dreer's), mixed, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

PHLOX

Pyramid, Zouave and Zantippe, \$5.00 per 100. C. S. Harrison's Select Nursery Co., York, Neb.

PHOENIX ROEBELENI

Henry A. Dreer, Inc., Phila., Pa.
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PHOTOGRAPHS

I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan R. Graves, 414 Hayward Bldg., Rochester, N. Y.

PLANT STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."
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PIPE AND FITTINGS

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Metropolitan Material Co., Brooklyn, N. Y.
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POINSETTIAS

Skidelsky & Irwin Co., Philadelphia, Pa.
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POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp. \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

PRIMULAS

Primulas Chinese, fine plants, 2½ in. \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

PRIVET

California Privet, any quantity, size, age. Others say ours is the best grown. Write for prices; also on shrubbery, ornamentals, fruit trees, asparagus, etc. Franklin Davis Nursery Co., Baltimore, Md.

RHODODENDRONS

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- S. S. Pennock-Meehan Co., Phila., Pa.
New Roses for 1912.
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- Wanted Rose plants of any kind. Melrose Garden Co., 90 Melrose St., Providence, R. I.

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- Arthur T. Buddington, New York
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- James Vick's Sons, Rochester, N. Y.
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- J. Belgiano & Son, Baltimore, Md.
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- Hjalmar Hartmann & Co., Copenhagen, Denmark.
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- Francis Brill, Hempstead, L. I., N. Y.
Choice Seeds for Gardeners and Truckers.

SPHAGNUM MOSS

- The W. W. Barnard Co., Chi. 20, Ill.
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- Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.
- Ten bales sphagnum moss, \$7.00. Z. K. Jewett Co., Sparta, Wis.

SPRAYERS

- Chas. J. Jager Co., Boston, Mass.

STEVIAS

- Stevias, 2 in. cut back once a year per 100, cash. M. B. Saunders Co., 25 Bennett St., Providence, R. I.

SUN DIALS

- Patrick Grace, Brighton, Mass.

TREE RENOVATION

- John T. Withers, Inc., Jersey City, N. J.
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- Warren Shinn, Woodbury, N. J.
Celery Plants.

VENTILATING APPARATUS

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- The Advance Co., Richmond, Ind.
Improved Ventilator Arm.
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- Reed & Keller, 122 W. 25th St., N. Y.
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- J. Jansky, Boston, Mass.
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- Wirework. Write for our catalogue.
Holton & Hunkel Co., Milwaukee, Wis.

- William E. Heilscher's Wire Works, 38-40 Broadway, Detroit, Mich.

WIRED TOOTH PICKS

- W. J. Cowee, Berlin, N. Y.
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WOOD PRESERVATIVE

- Conserve Wood Preservative doubles the life of all exposed lumber. Preserves benches, posts, sills or planking. Costs 2c. a stick, and saves ten times its cost. Samuel Cabot, Inc., Mfg. Chemists, Boston, Mass.

WHOLESALE FLORISTS**Boston**

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- Welch Bros., 228 Devonshire St.
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- H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl.
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- A. H. Langjahr, 55 W. 28th St., New York.
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- W. F. Sheridan, 133 W. 28th St., New York.
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- Badgley, Riedel & Meyer, Inc., New York
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- A. Moltz & Co., New York, N. Y.
For page see List of Advertisers.

- Siebrecht & Siebrecht, 136 West 28th St., New York.
For page see List of Advertisers.

Philadelphia

- Leo. Niessen Co., 1209 Arch St., Phila., Pa.
For page see List of Advertisers.

- The S. S. Pennock-Meehan Co., 1608-12 Ludlow St., Philadelphia, Pa.
For page see List of Advertisers.

Rochester, N. Y.

- George B. Hart, 24 Stone St.
For page see List of Advertisers.

New Offers in This Issue.**AMARYLLIS-HIPPEASTRUMS.**

- Robert P. Ker & Sons, Liverpool, England.
For page see List of Advertisers.

DEW DROP STRAWBERRY.

- H. F. Dew, Albion, Mich.
For page see List of Advertisers.

FIELD-GROWN CARNATIONS.

- Wood Bros., Fishkill, N. Y.
For page see List of Advertisers.

FIELD-GROWN CARNATION PLANTS.

- Wm. M. Roberts, Waverly, Mass.
For page see List of Advertisers.

NEW ROSES FOR 1912.

- S. S. Pennock-Meehan Co., Phila., Pa.
For page see List of Advertisers.

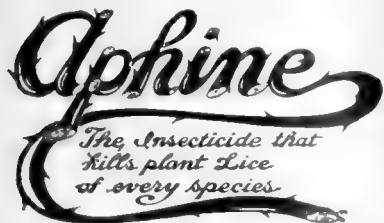
NEW ROSES ORIGINATED BY JACKSON DAWSON.

- Van Nurseries, Jamaica Plain, Mass.
For page see List of Advertisers.

SURPLUS DECORATIVE PLANT STOCK, FERNS, ETC.

- W. W. Edgar Co., Waverly, Mass.
For page see List of Advertisers.

In writing to Advertisers kindly mention Horticulture



Destroys green, black and white fly, red spider, thrips, mealy bug, brown and white scale, and all soft-bodied insects. An excellent cleanser for decorative stock. Used as a spray, you can rely on it for positive results, without fear of failure or dissatisfaction.

\$2.50 per gallon, \$1.00 per quart.

"FUNGINE"

An infallible remedy for mildew, rust and other fungus diseases. A clean, safe and easily applied spraying material. It has no equal for destroying mildew on roses, and carnation rust.

\$2.00 per gallon, 75c. per quart.

FOR SALE BY SEEDSMEN.

Send for name of nearest selling agent. Our products are not alone endorsed, but are continuously used by leading commercial growers, professional gardeners, park departments and state colleges of the country. Aphine and Fungine can be used in house or field.

MANUFACTURED BY
APHINE MANUFACTURING COMPANY
MADISON, N. J.



TRADE MARK.

CABBAGE WORMS *Destroyed by Dust-* *ing with* **HAMMOND'S SLUG SHOT**

So used for 30 years. SOLD BY ALL SEED DEALERS.

For pamphlets worth having write B. HAMMOND, Fishkill-on-Hudson, New York.



Tobacco Paper

IS THE

STRONGEST,

BEST PACKED,

EASIEST APPLIED.

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

"NICO-FUME"

LIQUID

OVER 40% NICOTINE

By far the

CHEAPEST.

JUST NOTE PRICE!

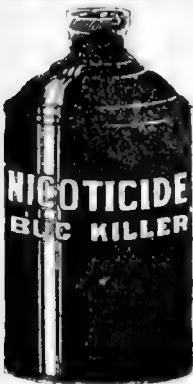
Pint.....	\$ 1.50
1/4 Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

Furnishes the
Most Nicotine for the Money

... Manufactured by ...

THE KENTUCKY TOBACCO PRODUCT CO.,

Louisville, Ky.



The Best
Bug Killer and
Bloom Saver

For PROOF
Write to

P. R. Palethorpe Co.
OWENSBORO, KY.

To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

Use any form you choose but buy it of

E. H. HUNT, 131 N. Wabash Avenue, Chicago

NIKOTEEN The most effective and economical material there is for spraying plants and blooms. **NIKOTEEN** Skillfully extracted from leaf tobacco, and carefully refined, it is clean and easy to apply. **NIKOTEEN** Does the work when vaporized either in pans, on pipes, or over a flame. Full Pint Bottles, \$1.50.

NIKOTEEN APHIS PUNK

Specially prepared for fumigating closed houses. It vaporizes the Nicotine evenly and without waste. Nothing keeps a house free from Aphis so cheaply. Price \$6.50 per case of 12 paraphrased boxes. All Seedmen.

Imp Soap Spray

Clean and odorless. Forms invisible films. Non-corrosive. Usual effective strength, one to thirty-two.

Guaranteed under Food and Drug Act, 1910

Single gallons, \$1.50
In barrels, \$1.00

Eastern Chemical Company

Pittsburg Street
BOSTON



Cattle Manure in Bags

Shredded or Pulverized



Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company
Union Stock Yards Chicago

FOR "POT LUCK" TRY US...

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

Pearson Street,
LONG ISLAND CITY, N. Y.

WRITE FOR CATALOGUE AND DISCOUNTS

A. H. HEWS & CO., Inc.

Main Office and Factories
CAMBRIDGE, MASS.

GREENHOUSES BUILDING OR CON- TEMPLATED.

Lexington, Ky.—J. A. Kellar, palm house.

Portland, Ore.—John Knapp, one house.

Titusville, Pa.—L. J. Rowe, one house.

Glenville, Conn.—Richard Sutro, addition.

Hartford, Mich.—A. E. Davis, house, 25 x 100.

Racine, Wis.—Clark Adams, house, 40 x 150.

Verona, Pa.—Paul Randolph, range of houses.

Providence, R. I.—Frederick Dietz, one house.

Loon Lake, Wash.—Dr. E. T. Hein, one house.

Bakerstown, Pa.—Fred Burki, range of houses.

Springfield, N. J.—Wm. Jacobson, one house.

Washington, D. C.—D. I. Saunders, one house.

Milburn, N. J.—Joseph Wallace, house, 27 x 100.

Davenport, Iowa—Ewoldt Bros., house, 28 x 100.

Clyde, Ohio—LeRoy N. Brown & Son, house, 20 x 102.

Utica, N. Y.—Frank J. Baker, two houses, each 28 x 100.

Clinton, N. Y.—Kilbourn & Williams, asparagus house, 30 x 150.

Binghamton, N. Y.—C. H. Wilbur, range of houses, office and show house.

Plymouth, Mass.—Charles T. Stephenson, rose house, 22 x 35, also a violet house.

NEWS NOTES.

Alliance, Ohio—A nursery has been started near here by J. P. Barger of Chariton, Iowa.

Geneva, Ohio—Roy Woodworth has sold his interest in the firm of Woodworth & Parker to Roy Parker and W. W. Stocking.

New Albany, Ind.—A greenhouse of A. Rasmussen, florist, collapsed during a wind storm, on August 12. Loss \$750.00, no insurance.

Washington, Pa.—Clarence C. Phillips, in business with Earl J. Sedam as Phillips & Sedam, has purchased Mr. Sedam's interest.

Worcester, Mass.—Five of the greenhouses of Lemoine Bros., which were sold at auction on August 9, were pur-



USE

Advance

machines in your houses and forget all your ventilating troubles. The children can operate them. Just what you want.

Our new catalogue thoroughly describes and illustrates our new arm, also the rest of our line. Get one, it will interest you.

ADVANCE CO., Richmond, Ind.

OUR NEW TWIST-LESS ARM

Note the simple construction. One bolt securely fastens it to the shafting pipe. Easy to set up.



DREER'S "Riverton Special" Plant Tub



No.	Diam.	Each	Doz.	100
10	20 in.	\$1.45	\$18.00	\$130.00
20	18 in.	1.30	14.00	115.00
30	16 in.	1.00	11.25	92.00
40	14 in.	.65	7.00	66.00
50	12 in.	.45	5.00	40.00
60	10 in.	.38	4.00	32.00
70	8 in.	.30	3.50	28.00

Manufactured for us exclusively. The best tub ever introduced. The neatest, lightest and cheapest. Painted green, with electric welded hoops. The four largest sizes have drop handles.

HENRY A. DREER, Seeds, Plants, Bulbs and Supplies, 714 Chestnut Street, Philadelphia, Pa.

PATENTS

Trademarks and
Copyrights

Send your business direct to Washington.
Saves time and insures better service.
Personal attention guaranteed.
Twenty-five years' active service.
SPECIALTY: "Working on the Failures of Others."

SIGGERS & SIGGERS

PATENT LAWYERS

Box 9, National Union Building
Washington, D. C.

Syracuse Red Pots

"A little pot is soon hot," likewise a thin pot. This will save you fuel. Our pots are the thinnest and toughest owing to the superior quality of the clay.
New price list on application.

Syracuse Pottery Co., SYRACUSE, N. Y.

chased by A. E. E. Koch of Nobscot. Powers of Cochituate bought the field carnations.

Muncie, Ind.—The Warfel Floral Co. is succeeded by the Riverside Floral Co. The officers of the new company are: S. A. Richardson, president; F. A. Shaw, secretary and treasurer; Henry Potomkin, grower.

1000 READY PACKED CRATES

STANDARD FLOWER POTS AND BULB PANS

can be shipped at an hour's notice. Price per crate:

2000	1 1/4 in.	@	\$6.00	500	4 in.	@	\$4.50
1500	2 "	"	4.88	450	4 1/2 "	"	5.24
1500	2 1/4 "	"	5.25	320	5 "	"	4.51
1500	2 1/2 "	"	6.00	210	5 1/2 "	"	3.78
1000	3 "	"	5.00	144	6 "	"	3.16
800	3 1/2 "	"	5.80	120	7 "	"	4.20
				60	8 "	"	3.00

HILLFINGER BROS., Pottery, Fort Edward, N. Y.
August Rolker & Sons, 31 Barclay St., N. Y. City Agents.

OUR SPECIALTY—Long distance and export trade.

STANDARD FLOWER

POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts.,

Washington, D. C.



ALL THE CLAY

FOR OUR

Florist' Red Pots
is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots, order from us.

THE PETERS & DEED POTTERY CO.
Zanesville, Ohio

Holds Glass Firmly

See the Point at

PEERLESS

Glazing Points are the best.

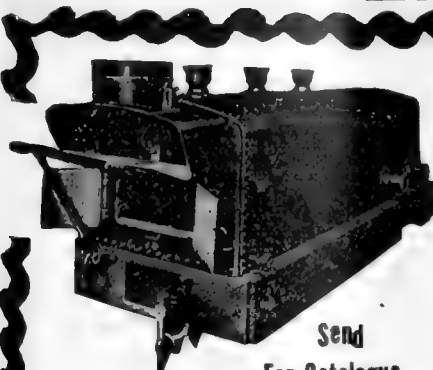
No rights or lefts. Box of 1,000 points 15 cts. postpaid.

HENRY A. DREER,

714 Chestnut St., Phila., Pa.

FULL SIZE
Nº 2





Send
For Catalogue

What the Users say

KROESCHELL BOILER

Half the Coal and Half the Work.

"Your No. 13 boiler is carrying 25,000 sq. ft. of glass and I can keep it at 69 degrees in the coldest weather without any trouble. I have three other types of boilers also heating a range of 25,000 sq. ft. of glass, but the No. 13 Kroeschell Boiler **ONLY TAKES HALF THE COAL** and half the work to get the same results."

J. G. FRISZ, Vincennes, Ind.
P. S.—Mr. J. G. Frisz, of Vincennes, Ind., has the largest range of glass in Indiana devoted to vegetable forcing.

KROESCHELL BROS. CO., 466 W. Erie St., Chicago, Ill.

LOUISIANA RED CYPRESS GREENHOUSE MATERIAL

STEEL GUTTERS, TRUSSES,
PURLINS, PIPE, FITTINGS, GLASS,
Etc.

PRIVATE AND CONSERVATORY
WORK A SPECIALTY.

The Foley Manufacturing Co.
Western Ave. and 26th St., CHICAGO

GLASS

Cheap as Dirt

Have you had any prices on greenhouse glass, lately?

Write us at once for our quotations. We'll surprise you.

Take advantage of the drop and book orders for future deliveries.

Our glass all new and fresh from factory.

Hot-bed sash and greenhouse material, dropped too.

PARSHELSKY BROS., CO.
50 Montrose Ave., BROOKLYN, N. Y.

CYPRESS SASH BARS

82 feet or longer

HOT BED SASH

PECKY CYPRESS BENCH LUMBER

GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

The A. T. STEARNS LUMBER CO.
NEPONSET, BOSTON, MASS.



F. O. PIERCE CO.
12 W. BROADWAY
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

KING

GREENHOUSE CONSTRUCTION

IF YOU WANT A GOOD GREENHOUSE
THAT WILL BE GOOD FOR A LONG TIME
WRITE TO

KING CONSTRUCTION CO.

HOME OFFICE AND FACTORY
North Tonawanda
N. Y.

EASTERN SALES OFFICE
No. 1 Madison Avenue
NEW YORK

STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St.

BOSTON, MASS.

61-63 Portland St.

SHARP, PARTRIDGE & CO.

Are Leaders in

GREENHOUSE GLASS

OUR PRICES WILL PROVE THIS.

CHICAGO, ILL.

BOSTON PLATE & WINDOW GLASS CO.

GREENHOUSE GLASS

GERMAN AND
AMERICAN

261 to 287 A Street

BOSTON

20 to 22 Canal Street

GREENHOUSE CONSTRUCTION LUMBER

John C. Moninger Co.

117 E. Blackhawk St., CHICAGO.

In ordering goods please add "I saw
it in HORTICULTURE."

LET US QUOTE YOU ON NEW
AND SECOND-HAND

Boilers, Pipe, Fittings, Glass, Greenhouse
Lumber, Tools, Sash, Etc.

METROPOLITAN MATERIAL CO.
1392-1414 Metropolitan Ave., Brooklyn, N. Y.

The FLORISTS' HALL ASSOCIATION
OF AMERICA, insurer of 32,500,000
sq. ft. of glass. For particulars address
John C. Ester, Secy Saddle River, N. J.



A Tryout Greenhouse

We call it a "tryout" because the owner has rather extensive ideas of the size of house he will eventually have, but he had us build this small one for him as a tryout to prove to himself that a greenhouse gives all the fun and satisfaction we say it does. It is so located and arranged that it can be enlarged economically and lose none of its attractiveness. A plan that is planned ahead, as it were.

Perhaps you would like a tryout house?

If you write us at once we will send you a catalog by return mail and by a little extra effort your house ought to be ready for use this winter.

Hitchings & Company

Spring and Louisa Streets, Elizabeth, N. J.

LILIUM HARRISII

(The Bermuda Easter Lily)

LET US supply your wants in Lilies this season

We think we can make it to your advantage to do so, as regards both quality and price.

The stock that we offer is not gathered indiscriminately from all kinds of sources, but is grown for us by a few selected growers, whose stocks have been worked up from the true, original stock. In order to ensure the health of the product, the bulbs are not grown on the same field oftener than one season, other crops being grown on the field the preceding year. The ground is thoroughly manured when the previous crop is grown, leaving it in a high state of cultivation, and when the lily bulbs are planted no fresh manure is used, and this prevents disease and ensures a crop of strong, healthy bulbs.

In addition to this, we do not dig our bulbs as early as they are usually dug, but leave them in the ground until they are thoroughly ripened and matured. When Harrisii is good, it leaves little to be desired. There is very little, if any, stock obtainable as good as the stock that we are offering. We are supplying only this one grade of selected stock, and when this is disposed of, we shall have no more to offer.

While the quality of the stock that we offer is of the highest, our prices are as low as, or lower than, the prices of those who offer the ordinary stock gathered from indiscriminate sources. We are sure buyers will find our stock very satisfactory, and much more so than the Japan-grown Longiflorum, which has badly deteriorated in recent years.

Bear in mind that we were the original introducers of Harrisii in Bermuda, and that we have exceptional facilities for obtaining our present supplies. Also take note that the smallest bulbs that we offer are 6-7 inch bulbs, not 5-7 inch, as usually offered.

6-7 inch bulbs, 335 to the case, \$15.00 per case; full thousand lots, \$40.00 per 1,000.

7-9 inch bulbs, 200 to the case, \$16.00 per case; full thousand lots, \$75.00 per 1,000.

9-11 inch bulbs, 160 to the case, \$18.00 per case; full thousand lots, \$175.00 per 1,000.

FERNS

We have an exceptionally nice lot of ferns in the following varieties,—good, bushy, well-grown plants that will please the most critical buyers. Plants have been grown in pots, and are thoroughly well established and nicely finished.

Nephrolepis Bostoniensis and Piersoni, 6-in. pots.....\$0.50 each

Nephrolepis Elegantissima, Piersoni, Bostoniensis, and Harrisii, heavy 8-in. plants.....\$1.00 to 1.50 each

Nephrolepis Elegantissima, Bostoniensis, and Harrisii, heavy 10-in. plants 2.50 each

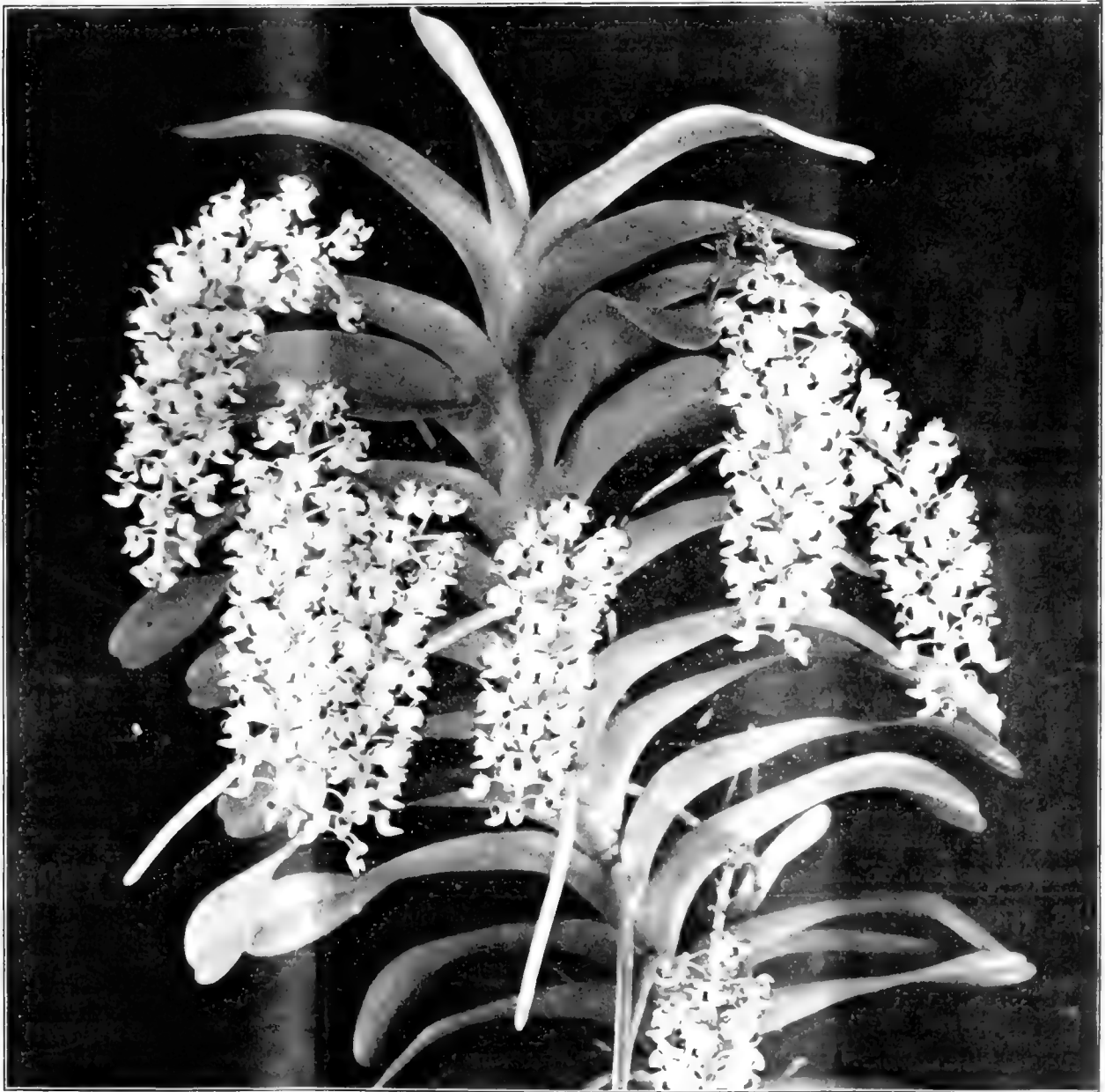
F. R. PIERSON COMPANY, Tarrytown-on-Hudson,
NEW YORK

HORTICULTURE

Vol. XIV.

SEPTEMBER 2, 1911

No. 10



ALRIDS QUINQUEVENERUM



DEVOTED TO THE
FLORIST, PLANTSMAN, LANDSCAPE GARDENER AND KINDRED INTERESTS

PUBLISHED EVERY SATURDAY AT 11 HAMILTON PLACE, BOSTON, MASS.

SUBSCRIPTION, \$1.00 PER YEAR



U KNOW US**LET'S KNOW U****LOOK AHEAD**

Mr. Progressive Florist. Don't be misled by any TEMPORARY GAIN, derived from the use of INFERIOR SUPPLIES and RIBBONS. For PERMANENT SUCCESS you need Supplies and Ribbons upon which you can depend ALWAYS.

"THE RICE STANDARD"

The Supplies of UNIFORM DEPENDABLE Quality and Prices.

KATALOG for the asking.

The Leading Florists' Supply House and Ribbon Specialists

M. RICE & CO., 1220 Race Street,
Philadelphia, Pa.

Manufacturers—Importers—Originators

TIME TO START UP

We Need Room. Come and See the Stock.

Lorraine Begonias, Poinsettias, Cyclamens, Chrysanthemums in Pots, Primulas, Genistas, Araucarias, Palms, Asparagus plumosus and Sprengerii, Boston Ferns, Adiantums, Mixed Ferns, Cycas. All First Class Stock.

WRITE FOR PRICES.

WM. W. EDGAR CO. - Waverley, Mass.

PALMS, FERNS, DECORATIVE AND FOLIAGE PLANTS

Also Azaleas, Begonias, Bay and Box Trees

A. LEUTHY & CO.

Perkins Street Nurseries, Roslindale, — Boston, Mass.

Price list on application.

PALMS, FERNS AND DECORATIVE PLANTS

JOHN SCOTT

Rutland Road and E. 45th St.
Tel. 2690 Bedford **BROOKLYN, N.Y.**

FERNS FOR DISHES

Assorted varieties, 2-in. pots, \$3.50 100;
\$30.00 1000; 500 at 1000 rate.

Cash with order

FRANK OECHSLIN

4911 Quincy St., — CHICAGO, ILL.

BEST PALMS

All Varieties, All Sizes.
Send for Price List

Joseph Heacock
Wyncote, Pa.

Boston Ferns

4½ inch from bench.....Each 10c
3½ inch from bench.....Each 7c
2½ inch from bench, \$30.00 per 1000
1000.....Each 3c

Nephrolepis Whitmanii

2½ inch.....\$5.00 per 100, \$40.00 per 1000

Nephrolepis Magnifica

2½ inch.....\$15.00 per 100
3½ inch, pot grown.....25.00 per 100

We Stand Back of Our Goods and
Guarantee Safe Arrival of Shipments to
All Parts of United States and Canada.

HENRY H. BARROWS & SON
Whitman, Mass.

Araucaria Excelsa

5 in., 3 to 4 tiers, 40c. and 50c.; 5½ to 6 in.,
4, 5 and 6 tiers, 60c., 75c. and \$1.00; 7 in.,
25, 30, 40 and 50 in. high, for lawns and
porches, \$1.50 to \$2.00.

Cash with order, please.

Godfrey Aschmann

Wholesale Grower, Shipper and Importer of
Pot Plants.

1012 West Ontario St.,
PHILADELPHIA, - PA.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 49th STREETS, PHILADELPHIA, PA.

When Writing to Advertisers Please Mention
HORTICULTURE.

..GERANIUMS..

Are Our Specialty

We are preparing to grow Geraniums on quite an extensive scale for next season, and claim to have the largest stock and most complete collection in the country, and are making very interesting Special Prices for November and December delivery. Write about your probable requirements and we will convince you that it is more to your advantage to buy just the kinds you want in the Fall than to bother with saving a few stock plants and working up stock yourself.

We have ready for shipment about 250,000 in 3 in. pots at \$3.00 per 100, \$25.00 per 1000, which would make fine stock for Fall and Winter sales.

R. VINCENT, JR., & SONS CO., White Marsh, Md.
Growers of Plants for the Trade

ROSES

OWN ROOT—FINE STOCK

White Killarney } from 3 in. pots . . . \$8.00
Richmond
Pink Killarney, Chatenay, Kaiserin,
Perles, Sunrise, Sunset, from 3
inch pots . . . \$8.00
Bride, Bridesmaid, Golden Gate, . . . \$60.00 per 1,000, \$7.00

GRAFTED
Fine Stock, 3 inch pots
Pink Killarney, White Killarney, Bride,
Bridesmaid, Kaiserin, My Maryland.
\$15.00 per 100

CARNATIONS

FIELD GROWN

FINE, HEALTHY STOCK

	Per 100	Per 1000
Enchantress	} \$7.00	
Rose Pink Enchantress		
Bay State	} \$6.00	\$55.00
Georgia		
Mrs. T. W. Lawson		
Red Lawson		
Variegated Lawson		
White Lawson		
Winsor		
Crimson Beauty		

WOOD BROS., Fishkill, N.Y.

CANES

FOR YOUR MUMS

6 ft. to 8 ft.
\$7.00 per 1000

WM. ELLIOTT & SONS,
42 Vesey St., New York

ASPARAGUS HATCHERI

The new Asparagus. Beats the old plumose manus in every respect. From 2 1/4 inch pots, \$15 per 100.

A. N. Pierson, Inc.
CROMWELL, - - - CONN.

Headquarters for

FALL BULBS

Send for Trade List

John Lewis Childs
Flowerfield - LONG ISLAND, N.Y.

For Fall Planting

Lilium Tenifolium, Henry's Hanson, Wallace and Davuricum; Elegans var. Single and Double Tigers; Japan Tree Lilac; Delphinium formosum; Japan and German Iris; Daphne Cneorum.

Fall list ready in August.

E. S. MILLER
Wading River, - - - N. Y.

GLADIOLUS NIAGARA

First of all Yellow Gladiolus, says Mr. M. Crawford, of Cuyahoga Falls, Ohio's greatest Horticulturist.

Brings higher prices than any other variety in Chicago cut flower market, say "Florists Review."

Write for circular and prices.

FRANK BANNING, Originator
Kinsman, Ohio.

Carnation Plants

CLEAN HEALTHY STOCK.

Enchantress	.....\$6.00 per 100
Enchantress, 2d size	.....3.00 per 100
Beacon	.....7.00 per 100

Cash with order, please.

KRETSCHMAR BROS.
P. O. No. 99. West Nyack, N. Y.

CARNATIONS

F. DORNER & SONS CO.
LA FAYETTE, IND.

Chicago Carnation Co.

30 E. Randolph St.

CHICAGO - ILLINOIS

FIELD GROWN CARNATION PLANTS.

Fair Maid, Harlowarden, Winsor, \$5.00 per 100. Beacon \$6.00 per 100, \$55.00 per 1000. A few hundred of other varieties. Cash with order, please.

WM. McROBERTS,
Maple St. Greenhouses, Waverley, Mass.

CHRYSANTHEMUMS

AND

ASTER SEED

Elmer D. Smith & Co.
ADRIAN, MICH.

ORCHIDS

Greatest quantity and variety in the country. Established and freshly imported. Also material in which to grow them.

Write for special list and catalogue.

LAGER & HURRELL, SUMMIT
N. J.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World

SANDER, St. Alban's, England
and 258 Broadway, Room 721
NEW YORK CITY

ORCHIDS

PLANTS and FLOWERS always on hand
ORDONEZ BROS.
Madison, New Jersey

ROEHRS

Orchids, Azaleas, Palms, Lorraines, Crotons

RUTHERFORD, N. J.

LORRAINE BEGONIAS

Strong 2 1/4 in. stock, ready for 3 1/4 in.
Per 100, \$15.00; 250 at \$14.00 per 100.

THOMAS ROLAND, Nahant, Mass.

HERBERT, ATCO, N. J.

DAHLIAS Every Day in the Year

BOBBINK & ATKINS

WORLD'S CHOICEST FLORIST AND NURSERY PRODUCTS.

We are growing in our greenhouses and in our 250 acre nursery a large variety of material constantly in demand by florists. Our Illustrated General Catalogue describes all the stock we grow. We shall gladly mail it to any florist upon application.

B. & A. SPECIALTIES.

PALMS, BAY TREES, BOXWOOD AND HARDY HERBACEOUS PLANTS, EVERGREENS, ROSES, RHODODENDRONS, VINES AND CLIMBERS, AUTUMN BULBS AND ROOTS, CONIFERS, PINES.

Florists are always welcome visitors to our nurseries. We are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

Nurserymen and Florists

Rutherford, N. J.

NEW ROSES

Originated by Jackson Dawson

Lady Duncan, Dawson, Daybreak, Farquhar, William Egan and Minnie Dawson

WRITE FOR PRICES

We carry a very large stock of Fine Conifers, Deciduous Trees and Shrubs and Hardy Herbaceous Perennials

Send for Our New Illustrated Catalogue

EASTERN NURSERIES

Henry S. Dawson, Mgr.

JAMAICA PLAIN, MASS.

BERBERIS THUNBERGII

We have in surplus 20,000, 18 to 24 inches, first-class plants. Write for prices.

W. W. HUNT & CO., - Hartford, Conn.

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Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens.

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Little ads in our Classified Columns bring big returns to both advertiser and purchaser.

Anything that can be sold to florists, gardeners, park and cemetery superintendents, etc., can be sold through this medium in this department, and at very small cost.

Don't fail to read them each issue, for you will find one or more that will prove profitable to you.

**They Cost Only One
Cent a Word Undisplayed**

Seasonable Notes on Culture of Florists' Stock

NEPHROLEPIS

It is now time to work up bench-grown *Nephrolepis* into salable form, by lifting them and potting into 5 or 6-inch pots, using a soil with a liberal addition of animal manure. A good compost is three parts fibrous loam, two of leaf mold and one of well-rotted and sifted cow manure. See that the pots are well cleaned and have good drainage. After they are potted they should be placed under a good shade for a week or more, and then gradually inured to the sunlight. Plants that are in pots and are fairly well established should undergo their last shift for the season as ferns make their finest growth in the next two months. Exercise care in watering these ferns, particularly during periods of abnormal weather condition that we are bound to meet. See that they do not get too crowded. They should be set far enough apart to have every one of the overhanging fronds fully exposed to the light.

EUPHORBIA JACQUINIAEFLOREA

Cuttings that were rooted during April or May and grown on by frequent shifts can now be planted out on a bench in fibrous loam three parts and well-rotted manure two parts, and, if the soil is heavy, add about one-fifth of sand, for they are very impatient of stagnant moisture at the roots. Plant them about ten inches apart and give them a syringing every good day, but at the same time be very careful not to over-water. Those that are intended for pot culture should be given a light bench now, so as to insure a good break and later on to give both color and substance to the flowers. When the flowers become apparent at the axils of the leaves the plants should have some manure water about once a week which will enlarge the bracts in size and develop highly their coloring. If cuttings are cut around the holidays, you can have another cut by April.

LILIUM CASULEUM

These bulbs should be potted up as soon as they are received because leaf and roots are often made while they are in transit. They can be either potted singly into 6-inch pots or three to five bulbs can be put into an 8 or 10-inch pot. Give them a good watering after they are planted, but afterwards let them dry out before giving any more water, as the bulbs will rot if given too much water at first. The best place to stand the pots is in a frame on some coal ashes where they can remain until cool weather arrives with sufficient severity to firm the soil in the pots. After this a covering will be desirable so as not to allow the pots to break. Candidums do not force well until after the middle of January, so it is well not to attempt it before this date.

NEXT YEAR'S CYCLOPS STOCK

Now is the proper time to make a liberal sowing in red, pink and white which seem to be the colors most in demand. Make up a compost of equal parts of well-decayed fibrous loam and leaf-mold, with enough of sand to make it porous. Wide shallow pans are the best to use. Whether pans or flats are used see that they are well drained. Fill up to within 1¼ inch of the rim and press the material moderately firm. On this place about half an inch of the sifted mixture and make the surface smooth. Now sow the seeds as evenly over it as possible

and then press the seed into the soil. Sift a little covering of the fine mixture over this and give a watering. Place them where they will have a moderate and evenly maintained bottom heat. As the little seedlings are coming up they will need some light benefit of stuff close to the glass, in a house where the temperature is steady heat, with a moist atmosphere. These conditions will materially hasten their growth during the first part of the winter. Give water freely in all good weather, but be careful and avoid draughts or extremes in temperature. As your fire heats are raised see that the atmosphere does not become too dry, as the young plants like plenty of atmospheric moisture.

PROVIDING COMPOST

Don't spare expense in having a sufficient quantity of sod, manure, and sand for now is the most propitious time of the year for the composting and storing of all bench and potting soils. There is nothing better than the top three inches of a rich pasture. This should be piled up in long moderately high and flat topped heaps, put up in layers of six inches in thickness and then spread three inches of good cow manure in alternate layers. If this work is done within the next few weeks you will have a chance to chop it down and fork it over which will not only thoroughly mix it, but will help to further a perfect and uniform decomposition by the intermixture of the different parts and exposing it more to hard freezing during the winter. Success with all kinds of greenhouse plants depends to a considerable extent on the kind and condition of the compost in which they are grown. So now prepare,—be one of the fortunate ones when the spring comes, by making prudent and ample provision for the need of another season.

TRANSPLANTING EVERGREENS

Any florist who has a call for small evergreens for the holiday trade should prepare them and pot them up now for this will give them a couple of months in advance of cold weather to make new roots in the meantime which will add greatly to the assurance of their well doing. After they are potted stand them in a rather shady place for a week or two, until they start new root action; then move them to the sun. With attention to watering and other care they should be in good condition for the holiday trade. A good assortment to pot up are retinos, cedars, junipers, box, and yew, *Enonymus*, laurel, mahonia, and others of the broad-leaved section are also good.

John J. M. Farrell

Mr. Farrell's next notes will be on the following topics: Carnations; Geraniums; Polled Plants; Making a Perennial Border; Phloxes; Petunias.

Aerides quinquevulnerum

Our cover illustration shows a well-grown plant of this beautiful *Pleurochilus* summer-flowering orchid. The plant pictured was grown by M. J. Pope, Naugatuck, Conn. The flowers are wax-like, white, tipped with deep rose on some of the petals, fragrant and borne on pendant racemes a foot or more in length. For decorative purposes this orchid has few equals. It is of very easy culture, its main requirements being heat, shade and atmospheric moisture. Sixty-five degrees minimum in winter will suit it.

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Thanks

Our readers will pardon us, we hope, should we appear to be a bit vain-glorious over the many commendatory words that have been expressed, verbally or by letter, regarding our Special Baltimore Convention Number, for its contents and make up, and in approval of our editorial and other features in the succeeding issues. We did feel rather proud of our convention issue and particularly as to the amount of advertising it carried—larger than in any previous convention number, and it is doubly gratifying to realize that our work has not gone unnoticed by our readers. We take this means of expressing once for all, our appreciation and gratitude for the many kindly compliments that have come to us.

Soliloquy

And now we come to September. How full of suggestiveness and inspiration is that word, September! It tells us that now the tide has turned and business activity is once again under way. The recreation season has gone; the hustle season is right ahead. Conventions, outings, the Arcadian days of seashore and mountain all must now take their place on the tablets of memory and the duties preparatory to a successful prosecution of our work loom up before us. In imagination we seem already to sniff the frosty nights, the sulphured atmosphere of the closed-up rose house, the pungent odor of tobacco-smoked ranges. We scent, not far off, the reminiscent fragrance of chrysanthemums, which carries the thoughts back to bygone years as no other fragrance ever does and the whiff of sweetness from "the first bunch of violets in the market," which, by the way seldom has anything else to commend it. There isn't so much nowadays, is there, as there used to be in the distinction of being the *first* on deck with violets or any other crop? The *best*—"there all the honor lies."

Advice

Back to our text. Are you fully equipped for every normal demand your business may make in the season now opening? Any one who went to Baltimore and saw that unparalleled exhibition of material and outfit for every department of the trade could not fail to return home with a full-charged mind as to what he must needs do and what he must do if he expects to keep abreast of the progressive elements of the rapidly developing horticultural industries of this country. Why not follow up the inspiration now by getting busy with HORTICULTURE's advertising pages? Next to the exhibition, in suggestive value to the wideawake grower or dealer, are the contents of these advertising columns. They present the offerings of the leading houses in their respective lines and they vitally concern you if you are not a "dead one." With a discerning and observant business man who watches the advertisements instead of buying haphazard from the first man that comes along, one dollar has the power of two.

Rust (?) on Tomatoes

C. serratifolia, from Korea, is somewhat similar to the yellow *tangutica*, but the flowers are smaller, not so rich in color, and the appendages to the seeds are not so showy. It is, however, a very desirable plant for this season of the year.

At the end of season 1997, the disease was found in the south of the last year. It is often associated with the late sowing of the seedlings, but in the south, it has caused damage to the crops in that region. No other reports have been found so far as I know. We have found it in the tomatoes in the state during the past summer, but they have not been seriously affected.

G. E. Stone

Amherst, Mass.

(Bulletin No. 138 of the Mass. Agricultural Experiment Station, by Dr. George E. Stone, issued June, 1911, gives full information as to the Disinfectant used and the method. Requests for bulletins should be addressed to the Agricultural Experiment Station, Amherst, Mass.—Ed.)

Early Flowering Gladioli

F **U** **N** **D** **E**

Dear Sir:—Regarding earliness of gladiolus—having on trial about 150 varieties of the variety section of the world's famous gladiolists, European, American, etc., and a large number of hybrids, gives us a very fine chance for comparing the relative merits.

Leicester's Precocious sort, Pleaide, came into bloom 67 days from sowing, and grew to 18 in. high, large as Pleide's of the same day. Putt. Betsy a few days later than Pleide.

We have a strain of earlies which are ready in 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862

Yours,

Camm' Duvrr, O.

Betscher

Arthur. G. Thatcher

CLUBS AND SOCIETIES

HORTICULTURAL SOCIETY OF
NEW YORK.

The New York Horticultural Society held the last of their summer flower shows for this season in the Museum Building of the New York Botanical Garden on August 26 and 27. The highest commendations are due the growers of gladioli; not merely for the excellence of the blooms, but for the manner in which they support these large and small flower shows. In the class for largest and best collection of named gladioli, John Lewis Childs won first with 56 vases, the most attractive varieties being Aline, Alaska, Nezinsecott, Rosella, LaLaden and Princeps. Arthur Cowee came second with 18 vases of fine flowers, among which shone out Cracker Jack, Peace, LaLuna, Rosella, Afterglow and California. For best 12 varieties A. Lahodny was awarded first. The most prominent were Evolution, White Lady, Leo Erron, Mrs. F. King, LaLuna, Wild Rose, Dora Kraus, Princeps, St. Louis and I. S. Hendrickson. Second prize went to P. W. Papp. On 25 spikes of any white variety, first prize was easily captured by "Rochester White," sent by Jacob Thomann & Sons, Rochester, N. Y., and from its appearance here we classify it as the best for general florists' use. Second went to John Lewis Childs for vase of Aline. Best 25 spikes of any pink variety went to Fascination, grown by E. S. Miller, Wading, River, N. Y.; second to John Lewis Childs with Wm. Falconer. In the class for non-commercial growers A. Lahodny won all the first prizes. In the class for largest and best collection of named varieties he staged about 75 vases of splendid flowers in almost as many varieties. P. W. Papp was second with some pretty but smaller flowered sorts. On six spikes of any white variety Mr. Lahodny won first with Reve de la Anjou, and in pink he got first with Panama. E. S. Miller, in a special class, exhibited a collection of 20 vases in as many varieties of seedlings, among the most beautiful of which were 333, a yellow, which we considered the best of its color at the show; 41, deep red; matron; 144, deep crimson; 17, light Burgundy; 59, mauve with claret throat; 88, white with violet stripe. We must not forget his splendid red variety, "Stromboli." Frank Bunning, Kinsman, Ohio, exhibited a vase of that grand new pink, Palama. We were informed that it arrived a little too late to compete in the class calling for pink and in consequence lost that award. In the water lily section Wm. Tricker won all honors, showing 25 varieties of nymphaeas. His Nymphaeas were elegant, as usual. Mr. Tricker also exhibited a pretty collection of tea roses, also special displays in aquatic and semi-aquatic flora.

Mr. George V. Nash delivered a most interesting illustrated lecture on "Evergreens and Their Uses in the Landscape" in the lecture hall before an appreciative audience.

FLORISTS' CLUB OF WASHINGTON.

The florists of Washington last week were called upon to perform a

very sad duty, that of escorting the body of their friend, Joseph R. Freeman, to his last resting place. At a special meeting of the club, called on the 23d, the following resolution was adopted:

Whereas, death has robbed the Florists' Club of one of its charter members who has for years been an active and loyal supporter of our body, a man of integrity, a citizen of standing and probity, one of the former presidents of the organization and a friend ever ready in time of need; therefore, be it

Resolved, by the Florists' Club of Washington, D. C., in special session assembled, that we mourn the loss of Joseph R. Freeman and tender to his bereaved family our sincere sympathy in their days of affliction; be it further

Resolved, That these resolutions be inscribed upon our minutes, a copy furnished the family of our late member, and that our organization attend the funeral services in a body.

Perhaps no florist in this part of the country was as popular and well liked as was Mr. Freeman. Every florist of this city who was in town and many florists who are located outside of the city attended the funeral and each one of them felt that they had indeed lost a dear friend. The S. A. F. & O. H. was represented by Mr. Wm. F. Gude its National representative.

CONNECTICUT HORTICULTURAL
SOCIETY.

At the meeting of this Society on the evening of August 25, the coming dahlia show was discussed and preparations pushed along.

President John F. Huss spoke entertainingly of his trip through the West, after attendance at the annual convention of the American Society of Park Superintendents. Mr. Huss was away sixteen days. His description of Minneapolis and other cities declared them beautiful. Minneapolis, one of the greatest cities in the West, now has green lawns, possesses three very attractive lakes, and a fine residential section. Thousands of boats bearing illumination by night present a fairyland which Mr. Huss likened to Lake Lucerne in Switzerland. Mr. Huss went to Omaha from Minneapolis, and from Omaha to Kansas City, which has a park 100 miles square. Then he saw Denver and the Garden of the Gods, and Pike's Peak. So beautiful was the verdure that he was impelled to remove his hat. Mines, irrigation and broad corn fields entered into his description.

Geo. W. Smith and J. A. Webber were appointed to draw up and present resolutions on the death of Wm. B. May, a life member of the Society.

CHICAGO CLUB'S SILVER ANNI-
VERSARY.

The Chicago Florists' Club will soon be twenty-five years old, having been organized Nov. 3, 1886, soon after it was decided to have the third S. A. F. convention held there. This will make the meeting of the S. A. F. here next year also a 25th anniversary. No steps have been taken yet by the Chicago Florists' Club to celebrate its silver anniversary, but it has planned for a chrysanthemum show at its regular meeting in November and no doubt something appropriate to the day will be added.

CHRYSANTHEMUM SOCIETY OF
AMERICA.

The following special prizes are offered for the Annual Exhibition of the Chrysanthemum Society of America to be held in conjunction with the St. Louis Horticultural Society St. Louis, Mo., November, 7, 8, 9, 10, 11, 1911.

Chrysanthemum Society of America Prize—Best 10 chrysanthemum blooms of any one variety, silver cup.

Jerome Jones Prize—10 blooms chrysanthemum, "Mrs. Jerome Jones," first, \$15; second, \$10.

Elmer D. Smith Prize—12 blooms chrysanthemums in 12 varieties, introductions of 1910 and 1911, shown in separate vases, not less than 12-inch stem, first, \$15; second, \$10.

William Wells Prize—3 blooms chrysanthemum Mrs. G. C. Kelly, first, gold medal; second, silver medal; third bronze medal.

William Wells Single Chrysanthemum Prize—6 sprays of single chrysanthemum Miss Hilda Wells, first, gold medal; second, silver medal; third, bronze medal.

Chas. H. Totty Prize—6 blooms chrysanthemum F. E. Nash, first, \$15; second, \$10.

Henry A. Dreer Prize—6 blooms yellow seedling chrysanthemums of American origin, \$10.

Philip J. Foley Prize—6 blooms white seedling chrysanthemums of American origin, \$10.

J. C. Vaughan Prize—10 blooms pink chrysanthemums of American origin, silver cup.

Peter Henderson Prize—6 blooms crimson or bronze seedling chrysanthemums of American origin, \$10.

Lord & Burnham Prize—10 blooms any color chrysanthemums never before exhibited in this country, gold medal or cash \$20. Open to all American or imported varieties.

E. G. Hill Prize No. 1—10 blooms chrysanthemum, Emberta, \$10.

E. G. Hill Prize No. 2—10 blooms chrysanthemum, Wells Late Pink, \$10.

E. G. Hill Prize No. 3—10 blooms chrysanthemum, Golden Gem, \$10.

Fitchings Prize—30 blooms chrysanthemums, 6 varieties, 5 blooms each, not less than 18 inch stem, silver cup.

WISCONSIN STATE HORTICULTURAL
SOCIETY.

The summer meeting of the Wisconsin State Horticultural Society, held at Oshkosh on Wednesday and Thursday, was attended by about 100 members and visitors. William Toole of Baraboo read a paper on "Amateur Floral Decorations," and Marcia Howlett of Oshkosh one on "Flowers for the Farmer." H. Hampson and A. Martini, professional gardeners from Lake Geneva, read papers on "Lilies" and "Roses." C. L. Richardson of Stanley gave a review of how state laws affect members of the society. The work done by the University of Wisconsin in the line of horticulture was outlined by Profs. Moore, Sanders and Jones.

Dr. Victor Kutchin of Green Lake talked on "Conservation of Bird Life," and Sydney Telis of Chicago spoke on "Play and Playgrounds."

There was a large and creditable exhibition of fruit, vegetables and flowers. J. P. Roe of Oshkosh took the largest number of first premiums on fruits and flowers. There was a tie between Mr. Roe and Robert Mehlman. Mrs. D. D. Howlett stood next in number of first premiums. In vegetables, N. A. Rasmussen of Oshkosh took by far the greatest number of first premiums, next to him being C. P. Phillipson, also of Oshkosh.

F. R. PIERSON CO.'S TABLE OF NEPHROLEPIS BOSTONIENSIS VARIETIES AT BALTIMORE.



CLUB AND SOCIETY NOTES.

The Newport Horticultural Society will hold its annual fall show Sept. 16-18 at Newport, R. I.

The annual show of the New England Dahlia Society will be given Sept. 15-17 at Horticultural Hall, Boston.

The dahlia show of the New Haven County Horticultural Society is scheduled for Sept. 13, at New Haven, Conn.

The September meeting of the Albany Florists' Club will take place at the residence of Patrick Hyde, 480 Hudson Avenue, on Sept. 7th.

The New York Florists' Club will hold its opening meeting of the season on Monday evening, Sept. 11th. Baltimore experiences will no doubt make the session interesting.

Boston has been selected by two associations as their meeting place for next year, namely, the American Association of Nurserymen, who will meet in Boston in June, and the American Association of Park Superintendents, who meet in August.

The Apple Growers' Convention met in St. Louis last week at the Planters' Hotel. The meeting was well attended. L. A. Goodman, secretary of the Missouri Horticultural Society and Richard Dalton, president of the Mis-

souri State Board of Horticulture addressed the meeting. All the old officers were reelected. J. W. Stanton of Richview, Ill., and J. C. Wilson of Columbia, Mo., are president and secretary of the Congress.

The premium list and rules governing the exhibit of farm crops of the Boston Chamber of Commerce Industrial and Educational Exposition, to be held at Horticultural Hall, Boston, on Oct. 2 to 28, 1911, has been issued, and copies can be had on application to Chas. M. Cox or Harry F. Hall, subcommittee on agricultural exhibits, Chamber of Commerce, Boston, Mass.

With regard to the entire exhibit, special attention will be given to its educational possibilities. To accomplish this the co-operation of the various agricultural colleges and experiment stations has been invited, and there will be exhibits, for example, of the various plant diseases and insect enemies, the most approved methods of pruning, trimming trees, spraying, etc. There will be a series of free lectures or talks on various farming topics by men of eminence whose names will be announced later.

THE BALTIMORE SOUVENIR.

Philip B. Welsh, secretary of the Gardeners' and Florists' Club of Baltimore announces that any member of the S. A. F. and O. H. who has not received a copy of the Baltimore Souvenir Program may obtain one by writing to him. His address is Glenn Morris, Balto Co., Md.

A VISIT TO CEDAR ACRES.

On Saturday, August 26, members of the Gardeners' and Florists' Club of Boston and of the North Shore Horticultural Society to the number of fifty visited the gladiolus fields of B. Hammond Tracy at Cedar Acres, Mass. They found the fields and a display of cut blooms in excellent condition. There were many promising seedlings that came in for admiration and as for such named varieties as Daybreak, luminous salmon pink; Sanguine, vermilion scarlet; Niagara, creamy yellow; Elizabeth Kurtz, white flushed with pink; Dawn, glowing salmon pink; Mrs. Francis King, vermilion; Princess Sanderson, white; Harvard, crimson, and a host of other beauties, it is doubtful if they have ever been seen to better advantage, soil and culture seeming to be ideal.

After going over the fields and through the packing rooms, where all varieties were staged under name, a buffet lunch was served and some appreciative speeches made, after which some of the flowers were distributed to the visitors and a return home made by special car.

SEE!!

There are some good offers this week in the "Buyers' Directory" section of this paper. Field grown carnations, decorative plants, ferns, etc., are offered by firms of high standing and you should not overlook this seasonable opportunity to stock up with profit yielding material.

During Recess

Tuxedo Horticultural Society.

This Society held their outing and clambake at Hillburn, N. Y., on Wednesday, August 23rd. The ideal weather brought out a large number of gardeners and friends, who were conveyed in stages, the distance being about ten miles.

After some refreshment the boys' and girls' races, single and married ladies' race, single ladies' three-legged race, married and single men's races, high jump, broad jump, and 100-yard dash were well contested, furnishing plenty of fun for the spectators.

The clambake was then served under the shade of the trees. A great reception was given to Karl D. Schaefer, the first president of the Society, who just arrived and was received by President D. S. Miller and other officers of the Society. After the group had been photographed the second part of the program was started. A football match between the married and single men with Charles McTaggart of Marshall & Co., and J. Muller of Julius Roehrs as umpires, was won by the single men. In the fat men's race, the first heat was a tie between



Tuxedo Horticultural Society and Their Friends.

men, was postponed for a future day, but a little bout between picked nines was indulged in and it was amateur ball to the mark.

Other events and winners were as follows:

100 yard dash—Sangster, Walter, Reichert.
Men's race, over forty—Allard, Streit, McCarthy.

Boys' race—Hegel, Goser, Mortz, Zimmerman.

Ladies' race—Mrs. Buechie, Miss Gearing, Mrs. Dittman.

High jump—Tobin, L. Neubeck, Jr.

Putting shot—Kreamer, Galley, Streit.
3-legged race—Tobin and Walter, Zimmerman and Kepp.

was held Thursday afternoon, August 17, at Karatsonyi's Hotel, Glenwood, N. Y., and was attended by about a hundred members and their families. The afternoon was devoted to sports. At six o'clock P. M., the company adjourned to the hotel for dinner. During the dinner the Burnett boys gave some selections on the piano and violin. After dinner the prizes were awarded to the winners. In addition to the prizes given by the Society \$10.00 was donated by Mr. Yale of the Alphano Humus Co.

List of Winners.

100 yard race, men over 40—1st, A. McKenzie; 2nd, J. W. Everett.

100 yard race, men under 40—1st, G. Edmondson; 2nd, E. Westlake.

3-legged race—1st, H. Box and H. Jones; 2nd, J. McDonald and J. Davis.

100 yard race, boys over 10—1st, L. McKenzie; 2nd, R. Burnett.

50 yard race, boys under 10—1st, G. Trepress; 2nd, A. J. Hinstone; 3rd, W. Adams.

High jump—1st, G. Finlayson; 2nd, G. Edmondson.

Broad jump—1st, J. F. J. Hinstone; 2nd, J. Andrews.

Hop, skip and jump—1st, J. F. Johnstone; 2nd, D. McKenzie.

Shot put—1st, A. McKenzie; 2nd, J. McDonald.

200 yard race—1st, G. Edmondson; 2nd, E. Westlake; 3rd, E. Finlayson.

Tug of war, married vs. single—Married men won.

Bowling match, men—1st, G. Ashworth; 2nd, S. J. Trepress.

Fat men's race—1st, W. Adams; 2nd, S. J. Trepress.

50 yard race, ladies over 40—1st, Mrs. J. Elmslie.

50 yard race, ladies under 40—1st, Mrs. S. Trepress; 2nd, Mrs. Price.

50 yard race, girls over 14—1st, M. McKenzie; 2nd, R. Trepress.

50 yard race, girls under 14—1st, E. McKenzie; 2nd, E. Everett; 3rd, E. McGovern.

50 yard race, married ladies—1st, Mrs. Elmslie; 2nd, Mrs. McDonald; 3rd, Mrs. Edmondson.

Ball throwing, ladies—1st, Mrs. Price; 2nd, Miss R. Trepress.

Bowling contest, ladies—1st, Mrs. Price.

Bowling contest, boys—1st, L. McKenzie.

Little children's race—1st, Mary Elmslie; 2nd, Willie Adams; 3rd, Rose Adams; 4th, Vera Ashworth.

Rooster chase—Bird caught and won by Mrs. McQueen.



Children's Race—Tuxedo Horticultural Society.

James McMachen and D. S. Miller, but in the second Miller succeeded in getting in first, Charles McTaggart being third. Several races for children followed, all receiving prizes. The tug-of-war was a great feature in which the married men simply walked away with the single fellows. The result of this victory encouraged the married women to challenge the single women and following their husband's example pulled the young ladies all over the field. This was the Society's first clambake and it was a great success.

A. FISCHER, Secretary.

Buffalo Florists' Club Outing.

The annual outing and picnic was held at Erie Beach on Thursday last and as a "Basket Picnic" it proved a success. In former years it has been the custom to hold a banquet or dinner at the end of the day but as there has been frequent protests on this form from year to year, the committee had decided a change as a tryout. It was a success considering the very inclement weather, a drizzling rain beginning early in the day and ceasing at 3.30 in ample time to run off the events on the long programme. A picnic is never complete without the children and it was partly Children's day.

The ball game, Growers vs. Store-

Ladies' hobble—Miss Christie, Mrs. Buechie, Mrs. Nosack.

Tug of war—Growers won.

Children's flag race—The four Rosen-granz girls.

Relay race—Sangster, Walter, Tobin.

Refreshments were served in the Stadium and President McClure was on a constant outlook for the comfort of the fair sex. The programme ended with dancing in the Grand Casino ball room. The committee is to be congratulated for having made this outing a success.

E. C. B.

Nassau County Horticultural Society.

The Annual outing of this society



Married Ladies' Race—Tuxedo Horticultural Society.

THE PRIVATE GARDENER.

A paper read by Wm. Duckham before the S. A. F. and O. H. at Baltimore.

I was much surprised and pleased to receive from your secretary an invitation to read a paper on the subject of the "Gardener." I am also glad to note that your society has honored my profession—the first time, I believe, in the history of your organization that it has been directly and distinctly recognized. This may partly account for the lack of interest of the gardener in your society and his failure to become a member in large numbers. Not to my knowledge has there been a general appeal to the gardeners to join the S. A. F. & O. H.

For some reason or other only a few gardeners hold membership in the S. A. F. & O. H., although the idea prevailing in the minds of some, that they are not wanted, is erroneous. Fundamentally our Society is a trade organization, and the mere addition of "Ornamental Horticulturists" to the Society's title has added very little and few members.

The national flower shows held in the past have been well supported by the gardener and these exhibits have been much appreciated by your Society. These exhibitions should be well supported by every one in the allied trades and professions in which we are so much interested and I trust that many such exhibitions will be held in the future.

The relation between the private gardener and the florist is of the very nearest, and easily traced, for you have only to look in any direction and you will find some of the most successful florists of this country who have graduated from the ranks of the private gardener. It is not my intention to enumerate or name all of them any more than it is to omit any names, but a few come to my mind who started their career as private gardeners and such training as they then received is admitted by them to have always been a help to them in their business.

Their names as they come to me at this time are J. N. May, E. G. Hill, J. K. M. L. Farquhar, Thomas Roland, Peter Fisher, F. L. Atkins, A. T. Bodington, C. H. Totty, and unless I am mistaken the late Peter Henderson started his career as a private gardener and perhaps gave more and better advice to young men than any one else, and many today, whether florist or gardener, owe to him a large measure of their success and all over this broad land his influence is still felt.

The private gardener has done his part in the development and advancement of this country, both by his work directly and indirectly, for any estate he has charge over his work comes directly to his employer and the majority of them take a keen delight in having his place well kept, growing and producing flowers, vegetables and fruits, and to have all this a little better than his neighbor. Then again where there are such places of this

NEW HARDY VINES.



The accompanying illustration shows a collection of Chinese ornamental vines in pots, grown at Aldenham House, England, by E. Beckett, gar-

dener to Hon. Vicary Gibbs, from seeds collected by E. H. Wilson on the Arnold Arboretum's first expedition to China, and presented by Professor C. S. Sargent.

kind the community in general and the trade benefits by it. I have never yet heard anyone say that he did not love the flowers, no matter how much he might dislike some other things, and while those who cannot have a large garden, do try, and do have, and imitate those of larger proportions, therefore I claim the work of the gardener has a most refining and broadening influence in every locality, and has done much towards making this a better land, and a better world.

As much as the private gardener has done for horticulture there remains much he could do and I refer to the most interesting branch of hybridizing. Some has been done I admit, but in my opinion he has neglected his opportunities. The cause of all this I am unable to explain, but it occurs to me the most of it can be laid to lack of interest or indifference, for surely a number of gardeners have the time and convenience, for it cannot be said he doesn't know how. There might have been some excuse for this twenty or thirty years ago, but conditions then and now are very much changed. I don't mean by this that gardeners are any better today, but there are very many more large estates where opportunity presents itself that were not in evidence at that time, and I urge the gardeners to give this more consideration and do your part towards the advancement of horticulture.

One has not to look far to see what can be done. For example, the roses raised by M. H. Walsh in the past few years have startled the world. I am unable to say how much time and thought Mr. Walsh devoted to this work, but if he spent his whole life he would feel well repaid in giving the world varieties of roses that otherwise might never have been born, and all honor to the man who raised Excelsa, Delight, Lady Gay and Hiawatha, etc., and who at this time I believe to be in the ranks of the private gardener. Then let us take courage and set our

minds to doing something that will be a joy and pleasure to others as well as to ourselves.

Novelties or something new always attract the gardener and you will find him among the first to try or test these, no matter whether flower, vegetable or plant, he is ever eager to secure them and when one stops to consider, it seems inexplicable, the lack of interest or utter indifference, that it appears almost criminal, then let us create or at least try and improve some flower or plant over what we found it.

Since the gardener has become better known and more generally appreciated by his employer a mutual feeling has sprung up between the two. This is true in a great many ways and is as it should be, and comes as the first aid to our social and moral status. In our profession, let the man who has the opportunity, show by precept and example to the less informed, and particularly to the young man under his charge, that moral influence so necessary for the upbuilding of our honored calling. For they are the men who will be called upon to carry on the work where we are compelled to lay it down. Whether he be florist or gardener let us beware that we grasp more of our opportunities and take our stand where we rightfully belong.

The need of the time seems to be a scheme or scope of operation in which all interests should unite for horticultural advancement. A national society such as we have, urged to the extent of founding and maintaining a garden after the manner of the Royal Horticultural Society of England, at Wisley, and previously at Chiswick, gardens that for over fifty years have done excellent work such as we need to have in this country.

Instead of pleading with the state legislatures for appropriations and greenhouses at state experiment stations, could not more and better work of this kind be done in a garden be-

longing to our Society with a staff of practical men, and consider what a training school for young men such a garden would be and the beneficial results that would follow as efficient well trained men became available for positions in private or commercial places. Our ranks are being constantly recruited by importations from Europe, because of the degree of efficiency these recruits possess. We lack the facilities to give our young men practical training in a manner that appeals to them with the assurance of an endorsement upon proved competency; this would also be a substantial aid to material advancement.

The working staff of the Royal Horticultural Society's garden is largely composed of students who, for a small remuneration, work and study with facilities not to be had in the ordinary private and commercial place. Perhaps the best testimony of the efficiency of the Royal Horticultural Society's work along these lines is that it has been continuous for over fifty years, that the trials of fruits, vegetables and flowers conducted therein have been most beneficial to horticulture and a large number of the R. H. S. men hold positions of prominence in all parts of the world and one of them is a director of the S. A. F. at this time and another prominently mentioned for your presidency.

This it seems to me at some future time could be started in some good and practical way by the members of this splendid organization and men would be willing to finance such a project, and there are plenty of them in the S. A. F., and it would greatly help the florist and gardener in the ever increasing and perplexing question of securing efficient help.

Some may say while there are plenty of men coming from the other side what is the use of all this, but it must be remembered that a good deal of chaff gets in with the wheat.

I have failed to know the reason so few gardeners are members of the S. A. F., whether because each locality has its own local society that they think by being a member it is all that is necessary and feel content with local conditions, but its effects are soon evident and instead of broadening his usefulness, narrows it and soon becomes dormant. If it were possible for all the societies to amalgamate with the S. A. F., and I see no reason for not doing so, then I believe our local societies would also be incorporated with the above and then perhaps the gardeners would become a part of the S. A. F., as in my opinion they should be.

Several attempts have already been made, I believe, to form a gardeners' society and one has been organized, but with what degree of success I do not know, any more than I believe the time to be opportune for such a consolidation of florists and gardeners for the mutual and best interests of all, and one that would make of our S. A. F. such a national organization that would easily become the greatest of its kind in the world.

In conclusion I might say that I shall do all in my power to advance the interests of your society, and will also endeavor to interest as many of my profession as possible and explain to them the broadness and scope of your organization and the good work it is carrying on.

Obituary

Mrs. Jane Buxton.

Mrs. Jane Buxton, widow of R. A. Buxton, who carried on the Riverside Greenhouses at Bridgeton, R. I., died suddenly on Aug. 16, aged 69 years.

Archibald Smith.

Mr. Archibald Smith, seed merchant, Oxford, who suffered for some years from heart trouble, has passed away at the age of 51 years. He was a native of Stranraer, Scotland, and received his early training in his father's nurseries and seed business there. He filled several important positions in the seed trade in the United States, prior to taking over the Oxford business.—From the British Horticultural Trades Journal, Aug. 16.

Mr. Smith will be best remembered on this side of the water from his long connection with the firm of Joseph Breck & Sons of Boston, where he was for many years manager of their seed department.

Joseph Schmidt.

Joseph Schmidt, one of Harrisburg's veteran florists, died on August 23. His death was due to old age, although he had been ill for some time.

Mr. Schmidt was born at Heidick, Germany, April 12, 1827. He came to this country in 1860, and lived in Philadelphia for five years, after which he came to Harrisburg, Pa., where after working for some years for other people, he went into business for himself. He retired from active business in 1901, when he turned over all his interests to his son Charles. Mr. Schmidt was widely known throughout the state and for twelve years served as superintendent of the floral department of the State Agricultural Society. Mr. Schmidt is survived by his wife, two sons and a daughter, and several grandchildren.

A CARD OF THANKS.

Mrs. John Birnie and family wish to extend their heartfelt thanks to all their friends; to the members of the New York Florists' Club; members of the Baltimore Gardeners' and Florists' Club; members of the Florists' Club of Washington, and the Society of American Florists and Ornamental Horticulturists for their kind words of sympathy, and also for their beautiful floral offerings upon the death of the beloved husband and father, in their sad bereavement.

Mrs. JOHN BIRNIE AND FAMILY.

NEWS NOTES.

Waltham, Mass.—Neil Bros., of Dorchester, have leased the greenhouses of R. E. Lassman.

Manchester, N. C.—J. Van Lindley Nursery Co. have purchased an additional tract of five or six hundred acres of land for development as an apple nursery.

Waltham, Mass.—Edward P. Smith has sold the Kidder greenhouses on Worcester lane to Harvey Whittemore, son of Henry Whittemore, former superintendent of schools in this city. It is understood that Mr. Whittemore is to improve the property and engage extensively in the florist business.

PHILADELPHIA NOTES.

The Pennock-Meehan Co. announce that they will close at noon, Labor Day, Sept. 4th.

Charles Henry Fox is now located in his new store, Broad below Walnut, and unique and clever ideas are in progress of development. In the chaos of painters and paper hangers it would be unfair to describe the embryos at present. We can tell better about them when completed.

Pennock Bros. have completed an enlargement of their office facilities which is not only an elegant addition to their store but will also allow a much needed expansion for the long legs of the head of the firm, A. B. Cartledge, and room for "enlargensis of the coco" of his modest bookkeeper and cashier, Ben Starkey.

H. H. Battles and the Century Flower Shop, considered among the leaders of the retail flower dealers of the country, have an attractive feature at present in the shape of an oval hanging basket filled with ferns and other foliage plants, several of which are suspended on the store front as a decorative feature. We are told that these have had a very good run. M. Rice & Co. offer these baskets and Mr. Eschner says they have taken so well that they have just opened up their third shipment for the season.

August 11, 1911.

M. Rice & Co., Philadelphia, Pa.

Gentlemen:—Kindly send us your Katalog of Florists' Supplies and Ribbons, including Pot Covers, Baskets, etc., as we wish to keep "up-to-date" and have come to the conclusion that we can ONLY do so through you.

Yours respectfully,

This comes from a prominent house in the far west. Isn't it nice to get "patuonthebackos" like that! Of course HORTICULTURE helped to secure it.

The feature at the club meeting, Tuesday, September 4th, will be a resume of the recent convention. The speakers have been selected by J. Otto Thilow, chairman of the committee and a very interesting symposium will no doubt result. Volunteers who may wish to interject their personal opinions will be respectfully recognized by the president. At least we hope so. But of course there is a limit—and such bowling experts as your scribe (with a grievance) will be barred. Take notice that he has been officially declared no newspaper man and barred accordingly from the bowling competition. James Ivera Donlan and J. Austin Shaw were apparently the only "newspaper men" in the United States according to the Baltimore standard. What does friend Dela Mare think of that?

Visitors: Mr. and Mrs. J. S. Simmers and children, Toronto, Ont.; J. N. King, Norristown, Pa.; Kent Bros., Newark, O.; Mrs. Dondore and Lou Dondore, Lancaster, Pa.; J. S. Stuesser, Louisville, Ky.; W. W. Randall, Chicago, Ill.

Boddington's Quality Christmas and Winter-Flowering Sweet Peas

ALL true stocks of Winter-Flowering Sweet Peas will be scarce this season. Some varieties are a total failure, owing to the exceptional season in California this Spring. We can make immediate delivery of the varieties marked with a star (*), the balance we are expecting from our grower in California at any time. Our advice to intending planters is to order early.

Our stocks of Christmas-Flowering Sweet Peas have stood the test for years, and we can refer you to the largest growers of this increasingly popular flower, as to the trueness and quality of our seed, earliness of blooming period, and strength and habit of plants.

The following varieties are the "best by test" and include Zvolanek's and our own introductions, grown for seed from selected stocks by the leading California Growers and Specialists of Sweet Peas. Our output last year was nearly 6000 lbs. No kicks and plenty of testimonials as to quality, germination and trueness to type.

BODDINGTON'S QUALITY WINTER-FLOWERING SWEET PEAS

At the Exhibition and Convention of the National Sweet Pea Society of America, July 12th and 13th, 1910, we again won the C. C. Morse & Co.'s Silver Cup for the finest and best collection of Sweet Peas open to the trade only

***BODDINGTON'S EXTRA EARLY CHRISTMAS WHITE SNOWBIRD.** An exceptionally early Sweet Pea for indoor flowering—will bloom six weeks after sowing. Color clear white, upon long stems; habit fairly dwarf and of exceptionally free-flowering qualities. Without doubt, the finest early white for indoor planting. We sell one grower in Pennsylvania 35 lbs. of this variety every year, name on application. Oz., 30 cts.; ¼ lb., 85 cts.; ½ lb., \$1.50; lb., \$2.50.

***BODDINGTON'S CHRISTMAS PINK.** This is the earliest and most profitable and useful Sweet Pea in cultivation, as by sowing the seed under glass in latter part of August flowers can be out from Thanksgiving on during the Winter months. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

***BODDINGTON'S CHRISTMAS WHITE.** A companion to our Christmas Pink. Just as free and profuse a bloomer. Oz., 15 cts.; ¼ lb., 50 cts.; ½ lb., 85 cts.; lb., \$1.50.

***BODDINGTON'S CANARY.** Similar to the above, but flowers of an exceptionally good yellow. Oz., 35 cts.; ¼ lb., \$1.00; ½ lb., \$1.75; lb., \$3.00.

***BODDINGTON'S FLAMINGO.** Color scarlet; free-flowering and early. Oz., 50 cts.; ¼ lb., \$1.50; ½ lb., \$2.75; lb., \$5.00. **Christmas Meteor.** Scarlet; fine open red flower. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

Christmas Captain. Blue and purple. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

***Florence Denzer.** Pure white. Oz., 15 cts.; ¼ lb., 50 cts.; ½ lb., 85 cts.; lb., \$1.50.

Le Marquis. This is the same color as Princess of Wales, violet; has very large flowers. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

***Miss Helen M. Gould.** White, open flower; standard lilac, marbled. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

***Miss Josey Reilly.** Lilac; very large flowers. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

***Mrs. E. Wild.** Carmine or dark pink. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

***Mrs. George Lewis.** Large, pure white wavy flower. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

Mrs. W. W. Smalley. Satiny pink. Oz., 35 cts.; ¼ lb., \$1.00; ½ lb., \$1.75; lb., \$3.00.

Mrs. F. J. Delansky. Daybreak pink. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

***Mrs. Chas. H. Totty.** Sky-blue; late. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

Mrs. Zvolanek. Blue, variegated; good for variety. Oz., 50 cts.; ¼ lb., \$1.50; ½ lb., \$2.75; lb., \$5.00.

***Watchung.** Pure white. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

***Wm. J. Stewart.** Blue self. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

All other varieties of Winter and Summer-flowering Sweet Peas supplied. Write for quotations.

ARTHUR T. BODDINGTON, Seedsman, 342 West 14th St., NEW YORK

PERSONAL.

Martin E. Tuohy, florist, of South Boston, is spending his vacation at Oak Bluffs, Mass.

A. Leuthy, of Roslindale, Mass., returned last Monday from Europe on the French Line steamship.

Julius Heurlein of Blue Hill Nurseries, Quincy, Mass., returned from Europe on the Mauretania, August 19.

Mr. and Mrs. A. N. Kinsman, of Austin, Texas, have returned from a month's motor tour through the west, having traveled over 3,000 miles.

A. C. Canferd of Springfield, Ill., visited the St. Louis wholesale houses one day last week and was a guest of Mr. DeWeber who showed his fine place in the county.

H. Leroy Sawyer, who for the past six years has been in Jacksonville, Fla., will return to Clinton, Mass., this fall and be associated with his father, Frank P. Sawyer, in the florist business. Mr. Sawyer is recovering from a serious illness of typhoid fever.

F. W. Bruning, H. Berning, F. Gorry, J. Cannon and C. Beyer with their ladies have returned home from the Convention much pleased with their trip. The St. Louis delegation was small but we expect to make up next year and send a large delegation to Chicago.

E. H. Wilson and wife and daughter arrived at Boston on August 25, having come from England on the Minnewaska of the Atlantic Transport Line to N. Y. They had been

booked for Boston direct by the White Star Zeeland but her sailing was cancelled on account of the strike in Liverpool.

President-Elect Robert J. Windler of the St. Louis Florist Club and well-known local retailer, will be married on September 6th at Chicago to Miss Amy Zender, daughter of Adam Zender, one of the well-known florists of that city. His brother Frank, of the Druth force, will accompany him on his trip. A reception will be tendered the happy couple on their return to St.

Louis where they will make their home.

New York visitors:—W. R. Thornhill, gardener to Aug. Hemenway, Readville, Mass.; J. G. Dugaid, gardener to H. S. Hunnewell, Wellesley, Mass.

Visitors in Boston—J. Ivera Donlan and M. B. Faxon, New York City; U. G. Scollay, Brooklyn, N. Y. Thomas Griffin, of the Harry Payne Whitney Estate, Westbury, N. Y., and brother, Julius Dilloff, representing Schloss Bros., New York.

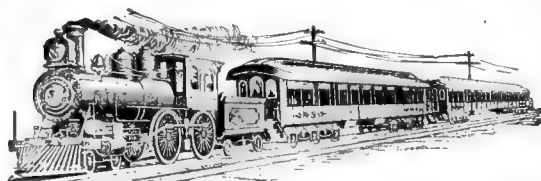


BANNING'S NEW GLADIOLUS NIAGARA.

The Edgebrook Greenhouses and Nurseries of THE GEO. WITTBOLD CO. Fine Ferns, Palms, and Nursery Stock

We solicit the shipping trade and have a full stock especially adapted to the needs of **FLORISTS and NURSERYMEN**
EDGEBROOK, CHICAGO, ILL., on Chicago, Milwaukee and St. Paul Railway

Asparagus Plumosus, Boston Ferns, Dracaena Fragrans, English Ivy, Ferns, Jerusalem Cherries, Kentias, Latania Berbonica, Phoenix Reclinata, Solanum Aculeatissimum.



For sizes and prices see advertisement in Buyers' Directory Section, this issue, under Decorative Plants.

We now have 80 acres of Nurseries and 70,000 square feet of glass at Edgebrook which is well stocked with a full line of seasonable plants.

PARK GARDENING.

Read before the Florists' Club of Philadelphia, August 1st, by Xavier E. E. Schmitt.

(Continued from page 309)

It has been our aim to have as much variety as possible and we find that oftentimes a small group gives a great deal of pleasure to the public, if of things that are not met with in the ordinary lines of the trade. Orchids come in for a lot of inquiry as most people have in mind only cattleyas and a few cypripediums as orchids and it is a revelation when they see some small-flowered or curious orchid in bloom.

The planting commences with pansies and daisies and a few other spring flowering plants about April 10th which is about the earliest with us that planting can be done, followed by geraniums in the middle of May, and by the beginning of June all kinds can be planted. Then in the fall we plant the tulips just as fast as we can so that they can make some roots before the ground freezes over. We plant May-flowering tulips in groups among shrubbery, also in colors in beds along with singles, making a succession which is very pleasing and prolongs the season. They are useful where they are succeeded by foliage beds. In fact I always advocate the planting of bulbs of all kinds as such handsome effects can be obtained for such a small outlay.

For a number of years we have been paying attention to cacti and other succulents, (of which we have about 500 species and hybrids) and keep a large set of beds for them with a designed ground cover devoted to these during the summer and fall. It is remarkable to note the number of visitors who come to inspect these. They are odd, grotesque and most decidedly peculiar as plants, all visitors will spend some time admiring them.

We also give some attention to aquatic plants among which the following stand out preeminently—Nymphaea, hardy and tender ones combined; the stately Nelumbiums, the two Victorias and many other minor aquatic plants are used. Centennial Lake is one of the handsomest in the park, where can be seen N. odorata by

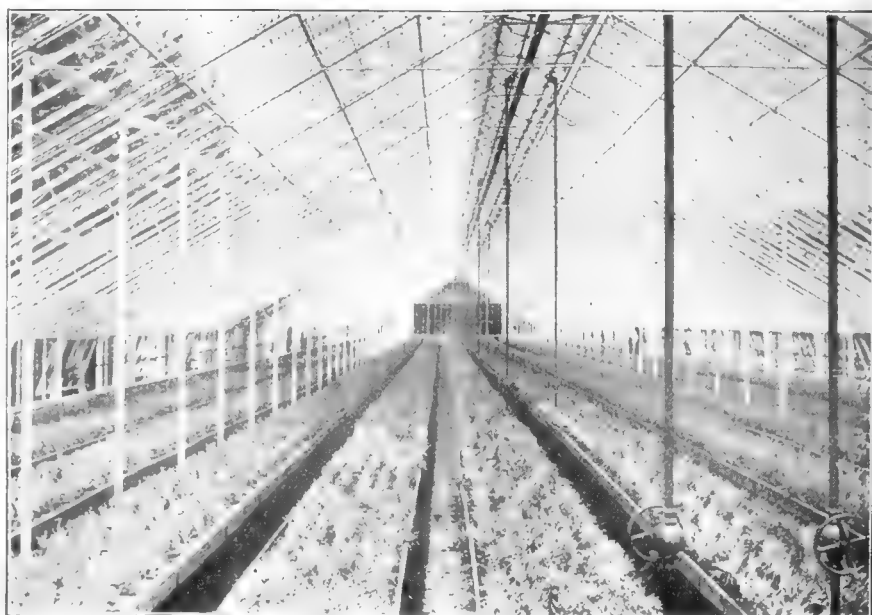
the thousands the surface of the water fairly covered with floating stars.

One class of plants which I will touch on before closing is the Rambling Roses, which are used over unsightly cliffs and embankments where undesirable trespassing in the latter as well as beautifying in both can be obtained. It would be a grand sight to come across what had previously been an unsightly wall of rocks to find them transformed with draping of beautiful green followed by a sheet of blooms later on and in the fall covered by brilliant clusters of fruit which will last nearly all winter. Among these I would mention Lady Gay, Dorothy Perkins, Gardenia, Evergreen Gem and in fact, all the Wichuraiana hybrids and many others.

I believe from an educational point of view the Public Park and its system has much to do in the education of

the people. Many schools in and around our city visit the park very frequently by entire classes accompanied by their teachers to study plant life from nature, also a great number come from afar to study it and to admire. They imbibe civic pride, and adopt as nearly as means will permit, better conditions surrounding their own homes,—the most frequent visitors are that class of people. On the other hand, opening the whole park to the public and allowing the freedom of every part of the grounds for public use (with us there are only a few places where people are not allowed on the grass) is the strongest health feature and one which the parks alone afford. Park gardening requires many-sided abilities, which when practiced by the up-to-date gardener gives to the visitors from other cities impressions deep and lasting.

LARGEST IRON FRAME CARNATION HOUSE ON LONG ISLAND, 55x400 FT.



Owned by A. Cockerott, Northport, L. I. The Big Kroeschell Boiler Exhibited at Baltimore Will Heat This House.

BRITISH HORTICULTURE.

Secret Commissions.

At one time the pernicious habit of seedsmen granting commissions to gardeners, according to the extent of the orders placed with them, was largely in vogue in this country. Even the firms opposed to this unsatisfactory method of business-getting were obliged to fall into line with their competitors. The passing of the Prevention of Corruption Act largely put a stop to this system, the Nurserymen's Trade Society using their influence to secure the carrying out of the stringent provisions of the measure. That the illicit form of trading still exists in a smaller degree is now proved by a letter which has lately been issued by Mr. R. M. Leonard, the Secretary of the Secret Commissions and Bribery Prevention League, who has been instructed by his committee to warn people against the practice of certain foreign firms who are in the habit of offering British gardeners a secret commission. "One catalogue, for which I have to thank an honest gardener," Mr. Leonard states "has the words written upon an inside page in pencil, '5 per cent. discount for head gardeners.' Another firm, which exports bulbs, has just written to a gardener asking for his private address. Illustrations of such practices might easily be multiplied, but the object of this letter is to put those who employ gardeners on their guard, as some of the offending firms have neither agents nor travelers in this country; and the Prevention of Corruption Act, which prevents British firms from giving secret commissions affords no remedy in such cases." It is to be hoped that this timely reminder will be effectual in checking this mischievous evasion of a necessary law.

Experiments in Tobacco Growing.

Some interesting experiments have been carried out at the South Eastern Agricultural College at Wye, Kent, with a view to testing the possibility of growing tobacco for insecticidal purposes. These trials demonstrated conclusively that tobacco can be grown to maturity in this country, and that with a suitable variety and a good soil a satisfactory crop can be obtained. Of the two species of tobacco commonly grown for smoking purposes 20 varieties were tested, the seed being obtained from the United States, the Transvaal, India, Italy, and Ireland. An ordinary garden frame consisting of three "lights" and resting on a hot-bed was found a suitable form of seed-bed. The season's results show that an average yield may be expected of from 1,600 to 2,000 pounds dry tobacco leaves, excluding the stalks. Allowing 4 per cent. of nicotine, this works out at 64 to 80 pounds nicotine per acre. The best method of extraction is still being investigated, but soaking the cut up leaves in water is quite effective in extracting the greater portion of the nicotine.

W. H. Adsett,

CATALOGUES RECEIVED.

A. Dessert, Chenonceaux, France.—Peony Novelties for 1911, Suzette and Marquis C. Lagergren.

W. E. Marshall & Co., New York City.—Bulb Catalogue for Autumn, 1911. Tells all about "Marshall's Matchless."

Ellwanger & Barry, Rochester, N. Y.—Peonies, Irises, Phloxes, Bulbs. A compact list of choice varieties of these specialties.

Stumpp & Walter Co., New York—Bulbs for Autumn Planting, 1911. Covers in sepia, with attractive view of Cottage and Darwin Tulips.

Peter Henderson & Co., New York City—Autumn Catalogue for 1911. Real Dutch in cover illustrations and decidedly effective and pretty. Lavishly illustrated.

Harrison's Nurseries, Berlin, Md.—Trade List of Standard Trees, Plants and Shrubs. Unique and attractive in makeup, with orange and black border around the pages. As to the contents—"Harrison's" is well-known to the trade.

Wood Brothers, Fishkill, N. Y.—Trade List for 1911. Here is an excellent offer of roses—the popular forcing varieties—own-root and grafted stock, standard varieties of carnations, chrysanthemums, cannas, poinsettias and begonias. They send out good stock from that high table land in Dutchess County.

R. & J. Farquhar & Co., Boston, Mass.—Autumn Catalogue. A splendid bulb list, profusely illustrated on coated paper. The first cover page shows the "Dutch Garden" at the National Flower Show of 1911 in dark green tints. On the back is a handsome group of Darwin tulips, named varieties.

Arthur T. Boddington, New York City—Florists' Bulbs and Seeds for Forcing and Planting, Summer and Autumn, 1911. The "seal of quality" in gold is the principal cover adornment of this well-balanced and very comprehensive catalogue. Prices quoted per 100 and 1000 and the bulb growers will find them very interesting.

NEWS NOTES.

Atlanta, Ga.—The McMillan Seed Company has moved into new and larger quarters at 27 South Broad St. This firm began business in Atlanta in 1877 when the company was established by the father of J. C. McMillan, the present manager and has developed a large trade throughout the south.

It is reported that a move is on foot to organize the vegetable forcing greenhouse establishments in northeastern Ohio, with Youngstown as a selling centre, to control market prices on the product. The combination, if such does exist, has been carried on with great secrecy and many denials of the newspaper rumors are made.

In olden times every man carried a sword, which was necessary for purposes of honor and self-preservation. When a man wanted to show another his intentions were peaceable he extended his right hand, signifying he was at the mercy of the other by giving up his fighting arm. If the other reciprocated he, too, extended his fighting arm and they grasped hands as a token of mutual trust and friendship. Now there are various kinds of handshakes—some vigorous, denoting strength, much of the mediocre kind, as though it was more a duty than a voluntary salute; but the limit is the fish-hand—have you ever held one? Well, it feels like you were handling the entrails of a chicken—a sort of a slimy-where-are-you feeling, that leaves with you the impression that the poor fellow was weaned too soon—a sort of human pancake batter. Now, good, sound, solid lily bulbs are like a good, sound, solid handshake—not made in a biscuit mould, but by nature good stuff: but the other kind are just like the fish-hand. Shake hands with the Horseshoe Brand bulbs—it's worth your while to try them.

Write for prices.



Ralph M. Ward & Co.

**12 West Broadway
NEW YORK CITY**

*Cold Storage bulbs of all kinds
ready for immediate or future
shipment.*

Order now please.

Seed Trade

The Bean Crop.

With the exception of beans and corn, seed crops are now practically made for this year, although it may be some weeks before accurate information as to the percentages of the various items which will be delivered on contracts can be given. Beans are almost matured but there are some late plantings which will require some ten days or two weeks more to fully reach maturity. Any beans remaining green after the 15th of September will be in "cold storage" and never will mature. We believe that barring a wet harvest there will be beans enough to meet all requirements and samples should be fine. It is possible that two or three of the more fancy varieties will be somewhat short, but taken as a whole there will be no famine in beans this year.

Corn, Peas and Root Crops.

We have heretofore, reported early varieties of sweet corn as being in poor condition, all indications pointing to a short crop. Of medium early and late varieties, there will probably be fair crops, especially, should frost hold off until past the middle of September. It cannot be denied that corn is late, and a severe frost within the next two weeks would probably cause very serious damage. With reference to garden beets, mangels, carrots and root crops in general, we can only repeat what we have previously said, that there will be a severe shortage in nearly all lines but cannot give any more definite information at this writing. We hope to be able to say something more next week. Under pressure from their customers, a few growers of peas have sent out estimates of what they expect to deliver on contracts, but such estimates are not very reliable and when final deliveries are made, they are likely to show a difference of from 10 to 20 per cent. either way and possibly even more.

About Contract Deliveries.

It is of course, excusable in buyers to want to learn as early as possible what will be delivered on their contracts. At the same time, they should realize that any estimate furnished at this date can be little more than a guess, and is based entirely on field estimates which vary as to results from ten to forty per cent. Should the growers' figures be too high and he finds he cannot deliver the percentages named in his preliminary estimates, the buyer is liable to feel that he has been misled or that the grower is not giving him a square deal. On the other hand, if he underestimates and delivers a larger percentage, it is sometimes unsatisfactory, as the buyer will say that he has covered his shortage based on the preliminary estimates. We believe it is the duty of growers to inform their customers of the general progress of crops in which they are interested but when it comes down to estimating percentages, it is quite another matter, and growers are fully justified in declining to give figures until they can do so with actual knowledge of what they are going to yield. This is a yearly and one that is gone over every year and probably will be an annual incident in the business until buyers learn to re-

strain their impatience and give the growers time to learn something definite about their crops.

Crop Report From Holland.

The 1911 Crop Report from Sluis & Groot, Enkhuizen, Holland, gives the following information:

The winter was very mild so that all perennials could stand it well, but a continuous drought caused trouble and many remained weak. In spring we got a heavy frost which, although not so fatal as in other parts of Europe, has also done much harm. Radish, cress, mustard, turnips and cauliflower, which at first seemed to be totally lost, gradually recovered themselves, and those annuals that were wholly destroyed could be re-sown. After this we got very favorable weather which, with the nice rain in June, did much good to crops that were yet looking very poor, and restored them, so that generally speaking the stand, though not brilliant, may be called satisfactory.

Beans Dwarf.—Average stand, suffered much from drought, may recover.

Beans Running.—Stand under middling, partly threatened by disease and only a small crop expected.

Beans English.—Very much damaged by lice, and the yield will be under middling.

Beets.—Stand is general unsatisfactory.

Cabbage, White and Red.—Continual drought in spring kept the plants backward and some even perished. The further development was satisfactory. The crop in general will be under middling we think.

Savoy, Brussels Sprouts, Borecole.—In general a little better. We expect a good average crop.

Cauliflower.—Has suffered from frost, notwithstanding may give an average crop.

Celeriac.—Did not grow in spring. Shows many open places and promises but a small crop.

Chervil.—A considerable part of the plantations has been lost. The remainder produced a good crop.

Corn salad.—A large acreage was sown, but a good deal got lost on account of the great heat. Little more than half crop.

Cucumber.—There is a good stand until now, and may produce a good crop.

Garlic Bulbs.—Good.

Kohl Rabi.—Only a small area planted. Stand under average.

Mangel Wurtzel, Sugar Beets.—Few planted, which partly developed unsatisfactory and we expect therefore a small crop.

Onions.—But a small area planted. Stand satisfactory.

Parsley, Parsnip, Peas.—Stand satisfactory.

Radish Summer.—There is a good stand until now.

Radish Winter.—Partly satisfactory, mostly bad.

Spinach.—Promise a moderate crop. Scorsonera.—Produced a satisfactory crop.

Swedes, Turnips.—Both suffered much from frost in spring and are promising but a small average crop. Some turnips badly damaged by worms in the pods. Many plantations yield one fourth or less than average crop.

Flower seeds.—Although the weather for flower seeds in general was not equally good, the present standing of the crop gives anticipation for being in every respect satisfactory.

Notes.

Clarence Kennerly, formerly of Kansas City, Mo., has taken an interest in the Alexandra Seed Co. of Augusta, Ga.

H. W. Gordinier of Troy, has had some little difficulty in settling with the insurance companies on his recent loss by fire. We understand Mr. Gordinier and the insurance adjusters could not get together on the value of the salvage in seeds and as a consequence all seeds in the establishment, prior to the fire have been disposed of and he receives the full inventory value of the same.

The Mott Seed Co. have moved from Watervliet to Troy, N. Y., and are now within a block of the city market, in a very excellent location and should do a largely increased business. The aim of this concern is to furnish the highest possible grades of seeds regardless of cost and we believe there will be a sufficient number of buyers who will appreciate this fact to make their business a success.

The aster seed crop in Germany is in bad shape. From February on until middle of July there was almost no rain and the plants were simply dried up. The situation is especially unfortunate as last year the summer weather came too late and seriously affected germination so that there was no stock to carry over. Asters require a slow, cool, moist summer to give the qualities of substance and size in the flower and to produce seed that will give good results. In a warm climate the seed crop may be better as to quantity but the quality is not there.

CELERY PLANTS FOR THE SOUTH

In North Carolina, Virginia, Maryland and other states, celery plants can be put out now and be able to compete with the North for the high price celery will bring this winter. There is a demand now in these states. I have some small plants for \$2.50 per thousand. Also very large plants.

WARREN SHINN,

Woodbury, N. J.

GIANT

English Cyclamen Seed—best strain, \$9.00 per 100. Fanny Seed—home grown, \$5.00 per oz. Mignonette Giant, greenhouse forcing, \$5.00 per oz., ¼ oz. \$1.00.

SKIDELSKY & IRWIN CO.

1215 Betz Bldg.

Philadelphia

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

COLDWELL LAWN MOWERS

Hand—Horse—Motor

Known All Over the World

Catalogue on Request.

NEWBURGH, N. Y.

MICHELL'S Colossal Mignonette

The seed we offer is greenhouse grown, picked from specimen spikes only, and from a strain which has no superior in this country.

Fresh seeds ready now

Trade Packet, 40c \$3.00 per oz.

WHOLESALE FALL CATALOGUE READY NOW

HENRY F. MICHELL CO.

518 MARKET STREET

PHILADELPHIA

TURNIP SEED
BEANS

For immediate delivery

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

Wholesale
SEED GROWERS AND DEALERS

SEEDS, PLANTS, BULBS

All seasonable kinds of best quality

Special prices on large lots

JAMES VICK'S SONS,

Seedsman

ROCHESTER, N. Y.

FINEST FLORISTS' SEEDS

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

CHOICE SEEDS

FOR PRESENT PLANTING
Stocks, Asters, Chinese Primulas
etc.

THOMAS J. CREY CO.

32 South Market Street, Boston, Mass.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only

SAN JOSE, CALIF.



Florists and Seedsman Sell Your Own Scratch or Poultry Food

We will make it for you under your own brand for
\$33.00 PER TON

Send to-day for sample 100 lb. bag, \$1.75. Mr. C. E. Jenson of Atlantic Co., N. J., on Oct. 27, 1910, writes as follows: - I want to state that your three grades of Poultry Food: Chick Starter, Developing Food and "Square Deal" Scratch or Poultry Food stands without an equal to-day. They are perfect mixtures and sound in grain and a pleasure to handle.

J. BOLGIANO & SON,

Importers and Wholesalers. Established for 92 Years.
BALTIMORE, MD.

CAULIFLOWER CABBAGE

MANG ID, SWEDEN TURNIP

LILY OF THE VALLEY PIPS

HJALMAR HARTMANN & CO.
COPENHAGEN, DENMARK.

Farquhar's Flower Seeds for The Florist

Write for our Wholesale
Catalogue

R. & J. FARQUHAR & CO.
Boston, Mass.

Established 1820

Thorburn's Seeds

Asparagus Plumosus Nanus

New Crop Just Received

We offer while unsold as follows:

1,000 seeds	\$2.50.
5,000 seeds and up @	\$2.25 per 1000
10,000 seeds and up @	2.00 per 1000
20,000 seeds and up @	1.75 per 1000

Cold Storage Lily of the Valley Pips

HIGHEST GRADE

Cases of 1000 pips @	\$13.00 per case
Cases of 3000 pips @	36.00 per case

J. M. THORBURN & CO.

33 Barclay Street
NEW YORK

BRIDGEMAN'S SEED WAREHOUSE RICKARDS BROS.

Props

37 East 19th St., - NEW YORK CITY

Sphagnum Moss

In Burlap Bales; per bale \$1.00, 6 bales for \$5.00, 10 bales for \$8.00.

Larger Lots at Lower Prices.

The W. W. Barnard Co.

108-110 W. Kinzie St., CHICAGO

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Aldine 880. Aldine 881. Aldine 882.

SAMUEL MURRAY

**Kansas City, Mo.
913 Grand Ave.**

All Orders Given Prompt and Careful Attention



**WASHINGTON,
D. C.**

GUDE'S

**The Far-Famed Flowers of
TORONTO**

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP
96 Yonge St., - - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE
Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.

Members Florists' Telegraph Assn.

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

NEW FLOWER STORES.

Los Angeles, Cal.—F. M. Smith.

Newburgh, N. Y.—Wesley Wait, 68
Broadway.

Sheridan, Wyo.—Best Floral Co., E.
Loucks St.

San Jose, Cal.—Mrs. Mary L. Scoble,
formerly of Grass Valley.

Milwaukee, Wis.—G. Rush is about
to start in the wholesale commission
cut flower business on Oneida St., this
city.

San Francisco, Cal.—California Flor-
al Supply Co. has opened a wholesale
cut flower store at 31 and 33 Lick
Place.

STEAMER DEPARTURES

American.

St. Louis, N. Y.-S'hampton..Sept. 9

Anchor.

Columbia, N. Y. Glasgow...Sept. 9

Atlantic Transport.

Minnetonka, N. Y. London...Sept. 9

Cunard.

Campania, N. Y.-Liverpool...Sept. 6

Pannonia, N. Y.-M'ter'ean...Sept. 7

Carmania, N. Y.-Liverpool...Sept. 9

Mauretania, N. Y.-Liverpool...Sept. 13

Hamburg-American.

Cleveland, N. Y.-Hamburg...Sept. 9

Amerika, N. Y.-Hamburg...Sept. 12

Holland-America.

Noordam, N. Y.-R'dam....Sept. 5

Rotterdam, N. Y.-R'dam....Sept. 12

Leyland.

Bohemian, Boston-Liverpool..Sept. 9

North German Lloyd.

K. Wilhelm II, N. Y.-B'm'n..Sept. 5

F. der Grosse, N. Y.-Bremen..Sept. 7

Berlin, N. Y.-M'ter'ean....Sept. 9

K'p'z Wilhelm, N. Y.-B'm'n..Sept. 12

Red Star.

Lapland, N. Y.-Antwerp....Sept. 9

White Star.

Cymric, Boston-Liverpool...Sept. 5

Adriatic, N. Y.-Liverpool....Sept. 7

Olympic, N. Y.-S'hampton...Sept. 9

Arabic, Boston-Liverpool....Sept. 12

INCORPORATED.

Polk, Pa.—Polk Floral Co. Capital
stock, \$5,000.

New York, N. Y.—Royal Fern Co.
Capital stock, \$25,000. Incorporators,
T. B. Hoy, C. D. Haines and M. Zagat.

Castorland, N. Y.—The Climax Mfg.
Co., dealers and manufacturers of flor-
ists' paper boxes, etc. Capital stock,
\$15,000.

Suffolk, Va.—Suffolk Floral Gardens.
Officers are as follows: Harvey Mon-
roe Butler, president; John F. Pinner,
vice-president; Joseph M. White, sec-
retary; W. B. Lawrence, treasurer and
general manager; the above and the
following directors: R. W. Baker, John
M. Butler, W. G. Elam, R. S. Yates
and Col. R. L. Brewer, Jr.

Louisville, Ky.—Beutel & Frederick
have removed from 1255 to a splendid
new establishment at 1231 So. Brook
St.

ALEX. McCONNELL

**571 FIFTH AVENUE
NEW YORK CITY**

Telegraphic orders forwarded to any
part of the United States, Canada, and
all principal cities of Europe. Orders
transferred or intrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

NEW YORK

Orders for Steamer, Theatre, Hotel, or
Residence Carefully Filled.

Wm. H. LONG

412 Columbus Ave.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspond-
ents in all the large cities of Europe and the British
Colonies. Telegraph and Cable address, Dardaspier

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points,
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

MATTHEWS The FLORIST

DAYTON, OHIO.

Is elegantly equipped to take care prop-
erly of all orders for flowers entrusted
to him night or day.

For Dayton, Ohio and Vicinity

"THE HOME OF FLOWERS"

The largest cut flower store in America.
Orders for the TWIN CITIES and for all
Northwestern points given prompt at-
tention.

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN
194 Boylston Street, Boston

LOUISVILLE, KY.
JACOB SCHULZ.
550 South Fourth Ave.

CHICAGO NOTES.

Florists' August Record.

The last of August was hailed with delight by the florists, who were anxious to have the dull season closed. The month seems to have been as much a surprise as July from the sales standpoint. Nearly all broke their previous records for heavy sales in July and naturally expected a good August but instead had one of the dulllest months in their experience. Those who are willing to admit that the basis of the florists' business rests upon the funeral work may see some connection between the show sales of August and the fact that an unusually small number of deaths occurred that month and that July business was caused by the great number of deaths following the excessive heat of June.

Activity at Wittbold's.

At the Geo. Wittbold place at Edgebrook the stir of early fall season is seen everywhere. Cases of *Livistonia rotundifolia* from the Hawaiian Islands and *latania* seed from the South are being unpacked and the French and Dutch bulbs are already in the earth. From the overflowing coal sheds to the drooping gladiolus beds were seen evidences of the close of the summer season which has been a very good one here.

The fourth crop of *rubrum* lilies is now ready for cutting and last week the first *chrysanthemums*, *Golden Glow* and *Smith's Advance*; the latter, a white which so far is not satisfactory—were sent to market. This company grows 12,000 *chrysanthemum* plants, early, medium and late, which will give continuous cut till the holidays.

Annual Luxemburg.

As is usual at this season several of the florists on the "Ridge" are preparing for the fruit and flower festival on Sept. 3 and 4 to be held at Karthausers Grove.

Trade Notes.

The Chicago Carnation Co. cut their first carnations of the season this week—flowers 2½ and 3 inches in diameter, a large bloom for late August. Otto W. Frese says he is fully satisfied with the way the new business is opening up with the Chicago Flower Growers' Association. They opened at the dulllest month in the year but shipping trade has advanced steadily from the first.

The E. H. Hunt Co. is getting out the cuts for its labor saving device

known as the Fisher Plant Clip, for tying carnations and roses. This firm is always after anything that is really a help to the florist. Full description will appear next week.

Personal.

Lloyd Vaughan returned Sunday from three weeks in Michigan.

Henry Van Gelder left Sunday for a trip to Texas where he hopes to regain his health.

H. Hilmers of the Kenwood Floral Co., 1117 47th St., has been taking a trip east and further resting during the dull season at Cecil Lake, Wis.

Mr. and Mrs. L. Stopp of Rock Island, Ill., were here to attend the auto races in Elgin and were fortunate in not being on the grand stand which collapsed.

E. J. Reynolds and Joe Georgeault of San Francisco, Cal., who are visiting here will remain if they secure satisfactory positions. The former lived here some years ago.

Miss M. Wattman of Amling's has returned from an eastern trip covering Nova Scotia, the St. Lawrence River and New York. Miss Gunderberg who went with her will be home soon.

Peter Olsem, foreman for the Chicago Carnation Co., seems to have snatched all the honors of the Chicago Bowling Club at the convention. His friends all congratulate him on his ability to walk off with three handsome prizes, the \$75 diamond medal for highest man of each team, eight competing; the W. W. Barnard cup which he won last year at Rochester and now this year at Baltimore, making it his, and the F. C. Bauer cup for greatest number of spares.

Visitors.—Wm. A. Réed, with Currie Bros., Milwaukee, Wis.; Otto Benthey, New Castle, Ind.; C. M. Weaver, Paw Paw, Mich.; J. Georgeault and E. J. Reynolds, San Francisco, Cal.; M. Greshen of C. A. Dahl Co., Atlanta, Ga.; Mr. and Mrs. L. Stopp, Rock Island, Ill.; Arthur Newell, Kansas City, Mo.; Geo. A. Lambert & Bro., Xenia, O.; R. A. McPherson, Littlefield, Ill.

WASHINGTON NOTES.

S. Everett of Gude Bros., is spending his vacation at Niagara Fall and Corfu, N. Y.

Miss Carpenter, bookkeeper for the Washington Florists' Company, is spending her vacation at Betterton, Md.

Frederick Miller, for eighteen years a designer for Gude Bros., has entered the employ of Fred H. Kramer in a similar capacity.

Miss Ella Cunningham, with J. H. Small & Sons, is spending her vacation at Ocean Grove, Pa., and H. A. Kloepper also with this firm is at St. George's Island, Md.

The following members of the sales force of the Kramer stores are now on their vacations: Miss M. Atwell, manager of the Ninth street store; Mrs. Cauffman, Mrs. Watby, Thomas Young and Arthur Tudde.

John H. Small, Jr., has leased the stores at the corner of Fifteenth and H streets, N. W., in the new Woodward Building, not yet completed. This new location is in a very fashionable part of the city and the store will be well in keeping with its surroundings.

The Pennock-Meehan Co., it is reported will soon open a new store at

1216 H Street, N. W. W. E. McKisick looks after the Washington end. It is said that in the new location the firm will have improved facilities which will greatly aid them in taking care of their many customers.

Many of the local florists are making extensive preparations for increased business, especially during the coming fall season. O. W. D'Alcorn of Congress Heights, has made numerous improvements to his greenhouses; Fred H. Kramer has completed two houses, 35x100 feet each, in Anacostia, for palms and ferns. The Gude Bros., "American Rose Company" plant in Mt. Olivet is now sending forth its share of goods.

Kallipolis Grotto, Mystic Order of the Veiled Prophets, are planning extensive entertainment for visiting members of the same order on September 26. With this in view large working committees have been appointed of which many florists are members: Fred H. Kramer is chairman of the Ladies' Committee, Mr. W. F. Gude is a member of the finance committee, Adolphus Gude, Wallace W. Kimmell, George H. Cooke, George H. Shaffer and O. A. C. Oehmler, decorations.

J. H. Small of this city, assisted by Mr. Dalgleish, handled the decorations in connection with the dinner given by Mr. and Mrs. McLean at Bar Harbor, Maine, during horse show week. The display was an aquatic one, there being a fountain in the centre of the table containing live goldfish, Egyptian lotus and Farleyense ferns. A bay window was arched over with asparagus from which bunches of Hamburg grapes were suspended which were cut off and served to the guests during the dinner. In the center of this arch was another fountain containing goldfish and night-blooming water lilies. The hostess received her guests in an arbor of American Beauty roses.

Visitors in this city during the past ten days were W. N. Rudd and daughter, Morgan Park, Ill.; E. G. Hill, Richmond, Ind.; Robert Patterson and sons, Montgomery, Ala.; Mr. Lawrence of the Westview Floral Co., Atlanta, Ga.; John G. Esler, Saddle River, N. J.; Mr. and Mrs. Julius Roehrs, Rutherford, N. J.

CLARENCE L. LINZ.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edw. MacMulkin, 194 Boylston St.

Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.

Buffalo, N. Y.—Palmer's 304 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.

Denver, Col.—Park Floral Co., 1643 B'way
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.

Kansas City, Mo.—Samuel Murray, 212 Grand Ave.

Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.

Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.

New York—David Clarke's Sons, 2139-2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—W. H. Long, 412 Columbus Ave.

New York—Young & Nugent, 42 W. 28th

New York—Dards, N. E. cor. 44th St. and Madison Ave.

St. Paul, Minn.—Holm & Olson.

Toronto, Can.—J. H. Dunlop, 96 Yonge St.

Washington, D. C.—Gude Bros., 1214 F St.

Wellesley, Mass.—Taliby.

THE Florists' Supply House of America

H. BAYERSDORFER & CO
1 129 rch St., Philadelphia, Pa.

NEW ENGLAND
FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points to

THOS. F. GALVIN
124 Tremont St., Boston

WELLESLEY COLLEGE
Dana Hall, Walnut Hill and Rockridge Hall
Schoons. TAILBY, Wellesley, Mass.
Tel. Wellesley 44-1 and 2 Night 44-3

ASTERS

The Best, per 100 - - - \$2.00
 Firsts, per 100 - - - \$1.00 to \$1.50
 For Design Work, per 100 - - - \$0.75

The choicest stock on the market in any quantity.

DAHLIAS

\$1.00—2.00 per 100.

The newer introductions and all good commercial varieties.

DOROTHY PEACOCK

The finest pink Dahlia on the market; per 100, \$5.00.

The Leo Niessen Co.

Wholesale Florists

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want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

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 MANUFACTURERS
 PHILADELPHIA, PA.

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WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

33-36-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

George B. Hart

WHOLESALE

FLORIST

24 Stone St., Rochester, N.Y.

The J. M. McCullough's Sons Co.

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CONSIGNMENTS SOLICITED

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WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
 BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	BOSTON Aug. 31		CHICAGO Aug. 28		ST. LOUIS Aug. 29		PHILA. Aug. 29	
ROSES								
American Beauty, Fancy and Special...	15.00	to 20.00	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00
" Extra	10.00	to 15.00	15.00	to 20.00	10.00	to 15.00	12.00	to 20.00
" No. 1	6.00	to 10.00	10.00	to 12.00	6.00	to 8.00	8.00	to 10.00
" Lower grades	2.00	to 4.00	6.00	to 8.00	2.00	to 4.00	4.00	to 6.00
Richmond, Chateaux, Fancy & Spl.	3.00	to 5.00	6.00	to 10.00	3.00	to 6.00	5.00	to 6.00
" Lower grades	.50	to 2.00	3.00	to 5.00	1.00	to 2.00	2.00	to 3.00
Killarney, Maryland, Fan. & Spl.	2.00	to 5.00	6.00	to 10.00	4.00	to 8.00	5.00	to 6.00
" Low grades	.50	to 2.00	3.00	to 5.00	2.00	to 3.00	2.00	to 4.00
Bride, 'Maid	.50	to 4.00	3.00	to 8.00	2.00	to 5.00	2.00	to 4.00
Kaiserin, Carnot, Taft	2.00	to 6.00	5.00	to 8.00	3.00	to 5.00	4.00	to 6.00
CARNATIONS, First Quality	1.00	to 1.50	1.00	to 2.00	2.00	to 3.00	1.00	to 2.00
" Ordinary	.50	to .75	.50	to 1.00	1.00	to 1.50	.....	to
MISCELLANEOUS								
Cattleya	50.00	to 75.00	30.00	to 50.00	.....	to .....	.....	to 75.00
Lilies, Longiflorum	4.00	to 5.00	5.00	to 8.00	8.00	to 10.00	.....	to 12.50
Lily of the Valley	1.00	to 4.00	2.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Chrysanthemums	.....	to .....	.....	to 12.00	.....	to .....	.....	to
Gladioli	.50	to 2.00	2.00	to 6.00	2.00	to 3.00	2.00	to 4.00
Asters	.10	to 1.00	1.00	to 3.00	1.00	to 5.00	1.00	to 3.00
Daisies	.50	to .75	.50	to 1.00	.50	to .75	.....	to
Dahlias	.....	to .....	.....	to	2.00	to 4.00	.....	to
Sweet Peas	.15	to .50	.50	to 1.00	.....	to .....	.25	to .50
Gardenias	16.00	to 25.00	.....	to .....	.....	to .....	.....	to
Adiantum	1	to 1.50	1	to 1.50	1.00	to 1.25	1.00	to 1.50
Smilax	12.00	to 15.00	15.00	to 18.00	12.50	to 15.00	.....	to 12.50
Asparagus Plumosus, strings (100)	.....	to 50.00	5.00	to 60.00	35.00	to 50.00	35.00	to 50.00
" " & Spreng. (100 bchs.)	16.00	to 50.00	35.00	to 40.00	10.00	to 30.00	25.00	to 50.00

J.A. BUDLONG

82-84-86 E. Randolph St., Chicago

OUR STOCK IS A-1 AND IT IS QUALITY NOT PRICES THAT TALKS

Chicago Flower Growers' Association

Wholesale Growers of Cut Flowers and Plants

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Everything in Flowers

Complete Stock of Florists' Greens,

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Manufacturer of Florist Wire Designs.

All kinds of Florist Supplies.

New crop Dagger and Fancy Ferns, \$1.75 per 100. Green and Bronze Galax, 90c. per 1000. By the case, \$7.50. Boxwood, 50-lb. case, \$1.50; by the lb., 25c. Laurel Wreaths, 10-inch, \$1.75 per doz.; 12-inch, \$2.25 per doz.; 14-inch, \$3.00 per doz.; 16-inch, \$4.50 per doz. Laurel Trimming, 4 and 5c. per yd.

Flower Market Reports.

BOSTON A week of almost steady rain is August's parting gift. Very grateful we should be, no doubt, but one is disposed to cry "hold, enough." A result, not without some satisfaction, is the enforced return of many people from the raw dreariness of the seashore and mountain in such weather and that should tend to start some little animation in the flower demand, which is something sorely needed. No sign yet of any improvement, however, as the present week has been the duldest of the month, and the wholesale markets are heaped high with asters of all qualities—some excellent but the majority quite the reverse. The latter cannot be sold, especially in colored varieties, except in bulk for scarcely enough to pay for the trouble of picking. Tea roses are still very slow to move and Beauties are not much better, even when quality is all right. A little briskness is noted, however, in the new sorts such as Lady Hillingdon and Radiance. A few carnations are seen here and there.

BUFFALO Little or no improvement was seen in the market last week over the week previous. Asters are improving in quality, though there are still too many of the ordinary, which are hard to move. Gladioli continue to be plentiful, also roses and other stock. There is no shortage of anything. It is hoped that the market will change for the better this week as the ending of the month will bring home a good portion of vacationists.

CHICAGO There is a slight improvement in the condition of the market here this week. The supply of summer flowers, especially gladioli, is shortening up and the miscellaneous collections of out-door stock that cover the counters in August are giving way to the new carnations and the late asters. A much better quality of asters can be had now, the late crop being fully up to the usual standard and so far superior to the earlier ones that sales on them are more nearly satisfactory to the grower than before this season. This does not mean that quantities are not left unsold, and the usual cry of overproduction is frequently heard. The new carnations are beginning to be a feature in the stock and some of the blooms are of excellent size and quality, while stems are rapidly lengthening. The rose situation is much the same,—plenty of stock of all kinds though buds are small. Sweet peas are again to be seen but do not add much to the volume of sales. The opening of schools next week is expected to bring many people back to the city and with this is sure to come an advance in demand for cut flowers and it will be welcomed by all.

ST. LOUIS The weather was not so bad last week and that helped the market greatly in the way of good stock and demand. Our commission men are receiving consignments that are greatly in excess of the demand at the present time, but they say that white



A MAGNIFICENT LOT OF

FIELD GROWN CARNATION PLANTS

Stock selected and grown especially for us. We wish to call particular attention to the Mrs. C. W. Ward plants, which are in extra fine shape. Our guarantee goes with every carnation plant we send out, thus insuring to you the very best of quality and satisfaction.



	Per 100	Per 1000		Per 100	Per 1000
Mrs. C. W. Ward.....	\$9.00	\$80.00	Winona	\$7.00	\$60.00
Dorothy Gordon.....	8.00	75.00	Winsor	6.00	50.00
Enchantress	7.00	60.00	Alma Ward.....	10.00	
White Perfection....	8.00	75.00	Pennsylvania	7.00	60.00
Beacon	8.00	75.00	A few White Wonder.....	10.00	

Distributing Agents for the great new roses for 1912.

DOUBLE WHITE KILLARNEY AND KILLARNEY QUEEN.

Write us for particulars and prices. Orders booked now.

S. S. PENNOCK-MEEHAN CO.

THE WHOLESALE PHILADELPHIA FLORISTS OF

Will close at noon Labor Day, September 4th.

NEW YORK

109 W. 28th Street

PHILADELPHIA

1608-1620 Ludlow Street

WASHINGTON

1212 New York Ave.

WHOLESALE FLOWER MARKETS.—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	CINCINNATI Aug. 15	DETROIT Aug. 15	BUFFALO Aug. 29	PITTSBURG Aug. 29
Am. Beauty, Fan, and Sp.	15.00 to 20.00	20.00 to 25.00	20.00 to 25.00	25.00 to 30.00
Extra	10.00 to 15.00	15.00 to 20.00	10.00 to 12.00	10.00 to 12.00
No. 1	8.00 to 10.00	10.00 to 12.00	6.00 to 8.00	10.00 to 15.00
Lower grades	3.00 to 8.00	4.00 to 10.00	2.00 to 4.00	4.00 to 10.00
Richmond, Chateaux, Fan & Spl.	5.00 to 8.00	6.00 to 9.00	5.00 to 6.00	5.00 to 6.00
Lower Grades	3.00 to 4.00	3.00 to 6.00	2.00 to 3.00	2.00 to 4.00
Killarney, Maryland, Fan & Spl.	4.00 to 5.00	6.00 to 9.00	5.00 to 6.00	6.00 to 8.00
Low. Grades.	3.00 to 4.00	3.00 to 6.00	2.00 to 4.00	2.00 to 4.00
Bride, 'Maid,	2.00 to 4.00	3.00 to 8.00	2.00 to 5.00	5.00 to 8.00
Kaiserin, Carnot, Taft	2.00 to 5.00	3.00 to 8.00	2.00 to 6.00	2.00 to 8.00
CARNATIONS, First Quality	50 to 2.00	to 1.50	1.50 to 2.00	1.00 to 1.50
Ordinary	to 1.00	to 2.00	1.00 to 1.50	to 1.50
MISCELLANEOUS				
Cattleyas	to 75.00	to 75.00	to 75.00	to 50.00
Lilies, Longiflorum	10.00 to 12.50	10.00 to 12.00	10.00 to 12.00	10.00 to 12.00
Lily of the Valley	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Chrysanthemums	to 3.00	to 4.00	to 4.00	to 4.00
Gladioli	1.00 to 3.00	to 4.00	2.00 to 4.00	1.00 to 4.00
Asters .....	.50 to 3.00	to 4.00	.50 to 2.00	.50 to 3.00
Daisies	to 1.00	to 1.00	to 1.00	to .50
Dahlias	to 1.00	to 1.00	to 1.00	to 1.00
Sweet Peas	to 2.00	to .50	to .20	to .15
Gardenias	to 1.00	to 1.00	to 1.00	to 1.00
Adiantum	to 1.00	1.00 to 1.50	1.00 to 1.50	1.00 to 1.25
Smilax	to 10.00	to 15.00	to 8.00	to 10.00
Asparagus Plumosus, strings (100)	to 40.00	25.00 to 40.00	to 40.00	to 50.00
" " & Spreng. (100 bchs)	to 25.00	25.00 to 40.00	to 25.00	to 40.00

stock sells well owing to the great amount of funeral material that was worked up last week. Good roses are selling well. Carnations are coming

good. Cosmos brings 50 cents per 100 and dahlias \$2 per 100. For other prices see tabulated list.

(Continued on page 347)

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Successor to
FORD BROTHERS
121 West 28th Street NEW YORK
FINE ROSES. FANCY CARNATIONS
A Full Line of All CUT FLOWERS.
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Preserved and Fresh Cut
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Decorative Glassware, Greens and Florists' Requisites

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Wholesale Commission Florist **SELLING AGENT FOR**
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by the 100, 1000 or 10,000 **The HOME OF THE LILY**
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CHOICE CUT FLOWERS
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HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES AND CARNATIONS
JAMES McMANUS, Tel. 759 55 W. 28th St., New York
Mad. Sq.

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS

	Last Half of Week ending Aug. 26 1911		First Half of Week beginning Aug. 28 1911	
American Beauty, Fancy and Special.....	12.00	to 15.00	12.00	to 15.00
" " Extra.....	5.00	to 12.00	5.00	to 10.00
" " No. 1.....	2.00	to 4.00	4.00	to 6.00
" " Lower Grades.....	.50	to 1.00	.50	to 1.00
Richmond, Chateau, Extra and Special.....	2.00	to 4.00	2.00	to 4.00
" " Lower Grades.....	.50	to 1.00	.50	to 1.00
Killarney, My Maryland, Extra and Special.....	1.00	to 4.00	1.00	to 4.00
" " Lower Grades.....	.15	to .50	.15	to .50
Bride, 'Auld.....	.50	to 3.00	.50	to 3.00
Kaiserin, Carnot Taft.....	2.00	to 6.00	1.00	to 6.00
Carnations, First Quality.....	1.00	to 1.50	1.00	to 1.50
" " Ordinary.....	.50	to .75	.50	to .75

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1665 } Madison Square **CONSIGNMENTS SOLICITED**

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CHARLES MILLANG
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Manufactured by
W. J. COWEE, BERLIN, N. Y.
10,000... \$1.75; 50,000... \$7.50. Sample free
For sale by dealers

A. L. YOUNG & CO.
WHOLESALE FLORISTS
Choice Cut Flowers
CONSIGNMENTS SOLICITED
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Prompt Payments. Telephone 3559 Madison Sq.

FRANK MILLANG
Wholesale Florist
55-57 West 26th St., NEW YORK
Shipments, any quantity, Whole-
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Simple methods of correct accounting
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Telephone, Main 58.

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FLOWERS

N. F. MCCARTHY & CO.,
84 Hawley St.
BOSTON'S BEST
HOUSE

Flower Market Reports
(Continued from page 315)

NEW YORK Oh! Business, thou lethargic, somniferous, intensely aggravating friend; when will you stop being an optical illusion and come back from somewhere to keep us busy even if it is in "love's labor lost?" The condition of affairs here in this great city is too abnormally slow and patience is being closely shaved on the edge of expectancy. Roses are coming in in large quantities and of the poorest quality. There is no such thing as staple prices for anything. Plenty of roses—open, languid ones, of course—sold as low as twelve cents per 100; others went for from 50 cents to \$4.00. Double White and Pink Killarneys with Radiance seemed to have first call. Beauties seem to be about the only class to keep steady, and even they have dropped one-fourth in value from last week. Lillium longiflorum and Harrisii are over-abundant. Asters were supposed to be scarce or battered by recent storms, but they are coming to town in usual way and quantity. Poor varieties went at prices according to bulk, a few long-stemmed queenly ones brought good prices. Carnations are very poor and short. Orchids, especially cattleyas, are taking a brief vacation.

There was a decided decrease in the volume of business here last week as compared with the week before but this is mainly or wholly due to the usual curtailment of business at this season. There was a similar drop at the same time last year. American Beauty roses were the best sellers on the list. Orchids also in demand but that to a large extent was because they are so exceedingly scarce. While Killarney roses are of extra quality for the season, and hold their own very well with the "Summer Queen"—Kaiserin. The new double pink Killarney—which are now arriving in limited quantity—while not very long in the stem as yet, are splendid as to petalage, and are of fine substance. Prince de Bulgarie bids fair for a strong and steady place in the regular market. Carnations have commenced to come in again, and while the flowers are fair they are very short-stemmed. The white varieties are at the bottom of the quality column. Gardenias are arriving in limited quantity. They are fine as to purity and substance, but rather short-stemmed. Selling fairly well. Sweet peas have dropped off

MICHIGAN CUT FLOWER
EXCHANGE, Inc.
WHOLESALE COMMISSION FLORISTS
Consignments Solicited
Hardy Fancy Fern Our Specialty
38-40 BROADWAY, DETROIT, MICH

WILLIAM H. KUEBLER
Brooklyn's Foremost and Best
WHOLESALE COMMISSION HOUSE
A First Class Market for all CUT FLOWERS
28 Willoughby St., Brooklyn, N. Y.
Tel. 4591 Main

WILLIAM F. KASTING Co.
Wholesale Florists
383-387 ELLICOTT ST. - - BUFFALO, N. Y.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Aug. 26 1911			First Half of Week beginning Aug. 28 1911		
		to	60		to	75
Cattleyas	50.00	to	60.00	50.00	to	75.00
Lilies, Longiflorum	3.00	to	4.00	2.00	to	4.00
Lily of the Valley	1.00	to	3.00	1.00	to	2.00
Chrysanthemums	...	to	...	...	to	...
Gladioli	.25	to	1.00	.35	to	1.00
Asters	.15	to	1.00	.15	to	1.00
Delisies	.10	to	.25	10	to	.25
Dahlias	...	to	...	...	to	...
Sweet Peas (per 100 bunches)	1.00	to	3.00	1.00	to	3.00
Gardenias	15.00	to	20.00	15.00	to	20.00
Adiantum	.50	to	.75	.50	to	.75
Smilax	5.00	to	8.00	5.00	to	8.00
Asparagus Plumescens, strings	...	to	35.00	...	to	35.00
" " & Spion. (100 bchs)	10.00	to	20.00	10.00	to	20.00

very much both as to quantity and quality. Gladioli are still pretty good but there is so much other outdoor stock for decorative work, that they suffer in demand. To a lesser extent, that is true of the aster also. Asters are at their best now, and any quantity can be had. Too many poor ones. Only the best sell well.

During the past week or two business has been quiet. There has been ample stock coming in to take care of all needs; asters were never better; in fact, all flowers have been very plentiful with the possible exception of carnations and these can be well dispensed with by reason of the quantity and quality of the asters until the latter are gone. American Beauties are coming along fine.

A FLOWER MARKET FOR PROVIDENCE.

The wholesale flower and plant growers of Providence, R. I., have decided to start a flower market and will open a store in the down-town district for that purpose. This was decided at a meeting held last Saturday at which the following officers were elected: President, John A. Macrae; Vice-President, Walter Macrae; Secretary, E. E. King; Treasurer, Olney H. Williams.

The store will be divided into stalls, these stalls to be rented by the wholesalers. There are already 12 in the association. It is expected that others will send in their applications for membership before the next meeting.

A FAILURE.

Yonkers, N. Y.—C. Rovatzos has failed and most of the wholesale dealers in West 28th street, New York, are reported to have been hit hard.

Don't forget the sale of Boston Flower Market stalls Saturday, September 2, 9.30 A. M.

GLEANINGS FROM THE "GREAT WHITE WAY."

There are, of course, here and there and now and then a few moments of briskness when some one departs for unknown gardens, but scarce a ripple is noticeable in the sleepy atmosphere of New York's 26th or 28th streets. Vacation chatter livens up the dreary, tiresome waits. Charles Schenck, Frank Traendly's observant side partner, can tell how and what to see in Europe.—P. Riedel of Badgley, Riedel & Meyer, went to Montreal to see if P. Welch of Boston made statement correct on reciprocity.—Horace E. Froment is back looking elegant and "Lady Hillingdon" with "Radiance" surrounds him.—Geo. Matthews took Mrs. Matthews away from Great Neck to drink a little at Sharon Springs, N. Y.—Arthur Watkins had a jolly good time up the Hudson.—C. W. Scott has been towing Carl Jurgens of Newport among and through the bulb cellars of New York and one may hear the words "hundred thousand" often used as if it were only just a dozen.—Dr. N. L. Britton of the Botanic Gardens sailed for Europe two weeks ago to visit the noted gardens there, and add to those under his care here.—A. H. Langjahr is busy fixing up his new store in 28th street. It is a fine, new, light commodious store and we wish him the best of luck in it.—Arthur Hunt of Langjahr's lost a daughter, seven years old, by death last Sunday.—John I. Raynor is at Watch Hill, R. I., this week.—Capt. Chadwick informs us that the bowling team will assemble at the florist club's first meet of the season, September 11, and present excuses for "The Night Before." "Larry, turn the crank."

Ansonia, Conn.—On account of the results of unfavorable weather conditions, it is doubtful whether the annual exhibition of the Intertown Dahlia Association will be held this year.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one-cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

B. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

AMARYLLIS

Robert P. Ker & Sons, Liverpool, England.
For page see List of Advertisers.

ARACARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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Godfrey Aschmann, 1012 Ontario St., Philadelphia.
For page see List of Advertisers.

ASPARAGUS

A. Leuthy & Co., Roslindale, Mass.
Asparagus Plumosus Nanus.
For page see List of Advertisers.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Asparagus Sprengerii, large 4-inch, \$1.50 per doz., \$10.00 per 100. Edw. Doege, 4344 N. Springfield Ave., Chicago, Ill.

Asparagus Plumosus, extra fine plants, 2 1/2 inch, \$3.00 per 100. Sprengerii, 2 inch, \$2.00 per 100. Cash. John Bauscher, Jr., Freeport, Ill.

Asparagus Sprengerii and Plumosus, fine extra strong healthy stock from 3 in. pots, \$4.00 per 100, cash. No better stock ever offered for the money. Plant low to cut from. O. B. Kenrick, 52 Alexander Ave., Belmont, Mass.

ASTER SEED

Elmer D. Smith, Adrian, Mich.
For page see List of Advertisers.

AZALEAS

P. Onwerkerk, Hoboken, N. J.
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A. Leuthy & Co., Roslindale, Mass.
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Loechner & Co., New York, N. Y.
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BAY TREES

A. Leuthy & Co., Roslindale, Mass.
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Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Bay Trees and Box Trees, all sizes
Write for special list

Julius Roehrs Co., - - Rutherford, N. J.

BEGONIAS

A. Leuthy & Co., Roslindale, Mass.
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Thomas Roland, Nahant, Mass.
Lorraine Begonias.
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BOILERS

Kroeschell Bros. Co., 466 Erie St., Chicago.
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BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.

Julius Roehrs Co., Rutherford, N. J.
Box Trees all sizes. Ask for special list.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.
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J. M. Thorburn & Co., 33 Barclay St., N. Y.
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A. T. Boddington, 342 W. 14th St., N. Y.
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Rickards Bros., 37 East 19th St., New York.
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Henry F. Michell Co., Philadelphia, Pa.
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T. J. Grey & Co., 32 and 33 So. Market St., Boston.
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Ralph M. Ward & Co., 12 W. Broadway, New York.
Horseshoe Brand.
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James Vick's Sons, Rochester, N. Y.
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Loechner & Co., New York, N. Y.
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John Lewis Childs, Flowerfield, L. I.
Fall Bulbs.
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The W. W. Barnard Co., Chicago, Ill.
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Fottler, Fiske, Rawson Co., Boston, Mass.
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E. S. Miller, Wading River, N. Y.
Bulbs and Roots for Fall Planting.
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CACTI

My choice, 25 var., \$3.00; 50 var., \$8.00; 100 var., \$25.00; 100 in 10 var., \$10.00; succulents, 20 var., \$1.00; 50 var., \$4.00; 100 var., \$12.00; 100 in 10 var., \$4.00. Cash with order. Charges paid. A. G. Greiner, 4419 Natural Bridge Rd., St. Louis, Mo.

CANNAS

R. Vincent, Jr. & Sons Co., White Marsh, Md.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
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Chicago Carnation Co., Joliet, Ill.
For page see List of Advertisers.

S. S. Pennock-Meehan Co., Phila., Pa.
Field Grown Carnation Plants.
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Wood Bros., Fishkill, N. Y.
Field Grown Plants.
For page see List of Advertisers.

Wm. McRoberts, Waverly, Mass.
Field Grown Plants
For page see List of Advertisers.

I have a surplus of 400 Pink Enchantress at 6c; and 200 Beacon, 150 Harlowarden, 100 Winsor at 5c. Strong, clean stock. G. S. RAMSBURG, Somersworth, N. H.

Field grown carnations, strong plants, Winsor, White Perfection, Queen, Harry Fenn, Bountiful, \$6.00 per 100. Cash. Chas. H. Green, Spencer, Mass.

FIELD GROWN CARNATIONS—White Enchantress, Fair Maid, Harry Fenn, Lawson, Winsor, Queen, Beacon. Thomas Capers, Wellesley Hills, Mass.

Field Grown Carnation Plants.
Extra strong, well branched.

	100	1000
7000 Enchantress, Light Pink..	\$8.00	\$55.00
2000 Beacon, Red.....	6.00	55.00
1000 Sangamo, Pink.....	7.00	60.00
3000 Boston Market.....	5.00	45.00

Cash with order.
John Bauscher, Jr., Freeport, Ill.

CARNATIONS—Continued

Carnations. Large strong healthy plants. Enchantress, Rose, Perfection, Harlowarden, \$5.00 hundred. Boston Market, Maid, \$4.00. Arno Chase, Cumberland Centre, Maine.

25,000 field-grown Carnation Plants; Dorothy Gordon, White Enchantress and Mrs. C. W. Ward, \$8.00 per 100; \$75.00 per 1000. Enchantress, White Perfection and Winsor, \$7.00 per 100; \$60.00 per 1000. A. L. Young & Co., 54 West 28th St., New York, N. Y.

FIELD GROWN CARNATION PLANTS.

Mrs. C. W. Ward, \$8.00 per hundred; \$70.00 per thousand. May Day, \$6.00 per hundred. Absolutely clean, healthy plants. Pleasant View Gardens, North Tewksbury, Mass.; address Frank P. Putnam, Lowell, Mass.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CHRYSANTHEMUMS

Elmer D. Smith, Adrian, Mich.
For page see List of Advertisers.

Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Chrysanthemums, rooted cuttings, Monrovia, Polly Rose, \$12.00 per 100. Violets, Princess of Wales, \$6.00 per 100; \$50.00 per 1000. Chas. Lenker, Freeport, L. I., N. Y.

CHRYSANTHEMUM CANES

Wm. Elliott & Sons, New York, N. Y.
For page see List of Advertisers.

CINERARIAS

Cinerarias, best strain dwarf, 2 1/2 in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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CUT FLOWER BOXES

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

CYCLAMENS

Cyclamen—Best Varieties in different colors, 3 inch pots, strong plants, \$10.00 per 100, \$90.00 per 1000. Julius Roehrs Company, Rutherford, N. J.

DAHLIAS

Herbert, Acto, N. J.

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R. Vincent, Jr. & Sons Co., White Marsh, Md.
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Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

Dahlias, divided roots, from 1 to 3 eyes to the piece. Send for list and get the latest varieties. W. P. LOTHROP, Brockton Dahlia Farm, E. Bridgewater, Mass.

DAHLIAS NEW FOR 1911.

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williamstown Junction, N. J., Post Office, Berlin, N. J.

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DECORATIVE PLANTS

W. W. Edgar Co., Waverly, Mass.
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A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
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Robert Craig Co., Market and 49th Sts.,
Philadelphia, Pa.
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John Scott, Brooklyn, N. Y.
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Asparagus Plumosus, 2 in., \$3.00 per 100.
Boston Ferns, 2 in., \$3.00 per 100; \$25.00
per 1000; 3 in., \$8.00 per 100; \$60.00 per 1000;
4 in., 75c. each; \$9.00 per doz.; 5 in., \$1.00
each.

Crotons, 2 1/2 in., \$1.00 per doz.; 3 in.,
\$1.50 per doz.; 4 in., 25c. each; 5 in., 50c. per
doz.

Cycas Revoluta, the well known Sago
Palm, 4 in., 25c. to 35c. each; 5 in., 50c. to
50c. each; 6 in., 75c. to \$1.00 each; 7 in.,
\$1.00 each.

Cyperus (umbrella plant), 3 in., 75c. per
doz.; \$6.00 per 100.

Dracaena Indivisa, 2 in., \$3.00 per 100;
\$25.00 per 1000; 3 in., 2 1/2 to 3 in. each, \$1.25
each; \$15.00 per doz.

Dracaena Massangeana, 5 in., \$1.25 each;
6 in., \$1.50 each.

Dracaena Fragrans, 2 1/2 in., \$1.50 per
doz.; 3 in., \$2.00 per doz.; 4 in., \$3.00 per
doz.; 5 in., \$5.00 per doz.

English Ivy, 1 in., \$1.50 per doz.

Ferns, for Fern Dishes, assorted varieties,
2 in., \$3.00 per 100; \$25.00 per 1000.

Jerusalem Cherries, field grown, 4 in.,
\$10.00 per 100; 5 in., \$2.00 per doz.

Kentia Belmoreana, 2 1/2 in., \$1.50 per doz.;
3 in., \$2.00 per doz.; 4 in., \$3.00 per doz.;
5 in., \$5.00 per doz.; 6 in., 2 1/2 to 2 3/4 in. high,
5 to 6 leaves, \$1.50 each.

Kentia Forsteriana, 2 1/2 in., \$1.50 per
doz.; 3 in., \$2.00 per doz.; 4 in., \$3.00 per
doz.; 5 in., \$5.00 per doz.; 6 in., 3 to 4 in.
high, 4 to 6 leaves, \$1.50 each.

Latania Borbonica, 3 in., \$6.00 each; \$1.00
per doz.; \$10.00 per 100; 4 in., \$1.00 per doz.;
\$20.00 per 100.

Phoenix Reclinata, 4 in., 25c. each; \$3.00
per doz.; \$20.00 per 100; 5 in., 50c. each;
\$5.00 per doz.

Solarium Aculeatissimum, 6 in., strong,
50c. each; \$5.00 per doz.

Geo. Wittbold Co.
Edgebrook, Chicago, Ill.

EVERGREENS

New England Nurseries, Bedford, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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FERNS

A. Leuthy & Co., Roslindale, Mass.
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H. H. Barrows & Son, Whitman, Mass.
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John Scott, Brooklyn, N. Y.
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Frank Oechslein, 4911 Quincy Street,
Chicago.

Ferns for Dishes.
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Robert Craig Co., Philadelphia, Pa.
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F. R. Pierson Co., Tarrytown-on-Hudson,
N. Y.
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Joseph Heacock, Wyncote, Pa.
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The George Wittbold Co., Chicago, Ill.
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W. W. Edgar Co., Waverly, Mass.
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Anderson's ferns for in and outdoors.
Largest commercial collection in the country.
Ask for descriptive catalogue. J. F.
Anderson, Fern Specialist, Shot Hills, N.J.

Boston, strong 5 and 6-inch plants from
bench ready by Oct., \$15.00 and \$25.00 per
100. Edw. Doege, 4344 N. Springfield avenue,
Chicago, Ill.

FERNS.

500 fine Whitman ferns ready for
4 and 5 in. pots, \$10 per 100; \$15 for 500.
Scott, 3 and 4 in., 7c. and 10c. each. Cash
please. J. J. Clayton & Son, West Grove,
Pa.

FERTILIZERS

20th Century Plant Food Co., Beverly, Mass.
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Pulverized Manure Co., 31 Union Stock
Yards, Chicago, Ill.

Wizard Brand Cattle Manure.
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Hardwood ashes, best fertilizer on earth
for lawns and gardens. George Stevens,
Peterborough, Ont., Canada.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
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FLORISTS' LETTERS

Boston Florist Letter Co., 66 Pearl St.,
Boston, Mass.

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FLORISTS' SUPPLIES

N. F. McCarthy & Co., 84 Hawley St.,
Boston.

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H. M. Robinson & Co., 15 Province St. and
9 Chapman Place, Boston, Mass.
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M. Rice & Co., 1220 Race St., Phila., Pa.
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Reed & Keller, 122 W. 25th St., New York.
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H. Bayersdorfer & Co., 1129 Arch St.,
Philadelphia.

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S. S. Pennock-Meehan, Philadelphia, Pa.
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FLOWER POTS

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Washington, D. C.

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A. H. Hews & Co., Cambridge, Mass.
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Hilfinger Bros., Ft. Edward, N. Y.
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Syracuse Pottery Co., Syracuse, N. Y.
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Peters & Reed Pottery Co., Zanesville, O.
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FORGET-ME-NOTS

Forget-me-nots, 1500 Royal Blue, 2 1/2 in.
pots, 2000 Victorias in flats, large plants,
\$2.00 per 100. Cash. M. B. Saunders Co.,
25 Burnett St., Providence, R. I.

FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh,
mailed to your address for 55 cents by
Horticulture Publishing Co., 11 Hamilton
Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broad-
way, Detroit, Mich.

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Kervan Co., New York.

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H. M. Robinson & Co., 15 Province St.
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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh,
Maryland.

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Geraniums Nutt, Poitevine, Ricard, Per-
kins, Vland, Buchner, Rose, Ivy. Rooted
cuttings, \$1.00 per 100; \$10.00 per 1000.
Edward Wallis & Co., Berlin, N. J.

GLADIOLUS

Frank Banning, Kinsman, O.
New Gladiolus Niagara.

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Silver Trophy and Florist Mixture Glad-
iolus bulbs, 10,000, large also small sizes,
for sale in October. S. E. Spencer, 58 Con-
greve St., Roslindale, Mass.

GLASS

Boston Plate & Window Glass Co., Boston.
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Standard Plate Glass Co., 26-30 Sudbury
St., Boston.

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GLASS—Continued

Foley Mfg. Co., Western Ave., between
25th and 28th Sts., Chicago.

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Sharp, Partridge & Co., 22d and Lumber
Sts., Chicago.

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Parabelsky Bros., Inc., 59 Montrose Ave.,
Brooklyn, N. Y.

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Metropolitan Material Co., 1392-1402 Metro-
politan Ave., Brooklyn, N. Y.

Greenhouse glass, lowest prices. John-
ston Glass Co., Hartford City, Ind.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.

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GREENHOUSE BUILDING MATERIAL

A. T. Stearns Lumber Co., Neponset,
Boston.

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King Construction Co., N. Tonawanda, N. Y.
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J. C. Moninger Co., 117 East Blackhawk
St., Chicago, Ill.

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Foley Mfg. Co., Chicago.

Pecky Cypress for Benches.

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S. Jacobs & Sons, 1359-63 Flushing Ave.,
Brooklyn, N. Y.

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Lord & Burnham Co.,
1133 Broadway, New York.

GREENHOUSE CONSTRUCTION

Foley Mfg. Co., Chicago.

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A. T. Stearns Lumber Co., Boston, Mass.
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Hitchings & Co., 1170 Broadway, N. Y.
Lord & Burnham,
1133 Broadway, New York.

Pierson U-Bar Co., Madison Ave., New York
Designer and Builder.

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GUTTERS

King Construction Co., N. Tonawanda, N. Y.
King Channel Gutters.

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HAIL INSURANCE

Florists' Hail Asso. of America.
J. G. Esler, Saddle River, N. J.

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HARDY FERNS AND SUPPLIES

H. M. Robinson & Co., Boston, Mass.
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Michigan Cut Flower Exchange,
28 and 40 Broadway, Detroit, Mich.

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The Kervan Co., New York

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J. Jansky, Boston, Mass.

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HEATING APPARATUS

Kroeschell Bros. Co., 468 Erie St., Chicago.
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Lord & Burnham Co.,
1133 Broadway, New York.

HERBACEOUS PLANTS

P. Ouwkerk, P. O. No. 1, Hoboken, N. J.
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New England Nurseries, Bedford, Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
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HIMEROCALLIS LILY

Palva, \$2.50 per 100. C. S. Harrison's
Seed Nursery Co., York, Neb.

HOSE

H. A. Dreer, Philadelphia, Pa.
For page see List of Advertisers.

In writing to Advertisers kindly mention Horticulture

ROSES

Chas. H. Totty, Madison, N. J.
Own Root and Grafted Roses.

P. Ouwkerk, P. O. No. 1, Hoboken, N. J.
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Robert Craig Co., Philadelphia, Pa.
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W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
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Bay State Nurseries, North Abington, Mass.
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Wood Bros., Fishkill, N. Y.
Own Root Roses.
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Eastern Nurseries, Jamaica Plain, Mass.
New Roses Originated by Jackson Dawson.
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S. S. Pennock-Meehan Co., Phila., Pa.
New Roses for 1912.
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Wanted—Rose plants of any kind. Melrose Garden Co., 90 Melrose St., Providence, R. I.

SCALECIDE

B. G. Pratt Co., New York, N. Y.

SEED GROWERS

Braslan Seed Growers Co., San Jose, Cal.
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SEEDS

T. J. Grey Co., 32 So. Market St., Boston
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Joseph Breck & Sons,
51 and 52 N. Market St., Boston, Mass.
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Rickards Bros., 37 E. 19th St., New York
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Henry F. Michell Co., Philadelphia, Pa.
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W. Atlee Burpee & Co., Philadelphia.
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Arthur T. Boddington, New York
Christmas and Winter Flowering Sweet Peas.
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R. & J. Farquhar & Co., Boston, Mass.
Flower Seeds for the Florist.
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J. M. Thorburn & Co., 33 Barclay St., N. Y.
Asparagus Plumosus Nanus Seeds.
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Fottler, Flske, Rawson Co., Boston, Mass.
Antirrhinum Seeds.
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Leonard Seed Co., Chicago, Ill.
Beans, Peas, Sweet Corn, Onion, Turnip.
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Wm. Elliott & Sons, New York
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James Vick's Sons, Rochester, N. Y.
All Leading Varieties of Seeds.
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Skidelsky & Irwin Co., Philadelphia, Pa.
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The W. W. Barnard Co., Chicago, Ill.
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J. Bolgiano & Son, Baltimore, Md.
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Hjalmar Hartmann & Co.,
Copenhagen, Denmark.
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SNAPDRAGONS

Giant White and Yellow, fine plants in 2 1/2-inch pots ready to ship, \$2.00 per 100, \$18.00 per 1000. Please at Vexat Gardens, North Tewksbury, address Frank Putnam, Lowell, Mass.

SPHAGNUM MOSS

The W. W. Barnard Co., Chicago, Ill.
For page see List of Advertisers.

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

Ten bales sphagnum moss, \$7.00. Z. K. Jewett Co., Sparta, Wis.

SPRAYERS

Chas. J. Jager Co., Boston, Mass.
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STEVIAS

Stevias, 2 in., cut back once, \$3.00 per 100, cash. M. B. Saunders Co., 25 Burnett St., Providence, R. I.

STRAWBERRY PLANTS

H. F. Dew, Albion, Mich.
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TREE RENOVATION

John T. Withers, Inc., Jersey City, N. J.
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VALLEY PIPS

Hjalmar Hartmann & Co.,
Copenhagen, Denmark.
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Lochner & Co., New York, N. Y.
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VARIEGATED PINEAPPLES

Henry A. Dreer, Philadelphia, Pa.

VENTILATING APPARATUS

Foley Mfg. Co., Chicago.
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The Advance Co., Richmond, Ind.
Improved Ventilator Arm.
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VIOLETS

Princess of Wales, \$5.00 per 100; \$50.00 per 1000. Fine, healthy stock. Order quick! Charles Leaker, Newport, L. I., N. Y.

WIREWORK

Reed & Keller, 122 W. 25th St., N. Y.
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J. Jansky, Boston, Mass.
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Wirework. Write for our catalogue Holton & Hunkel Co., Milwaukee, Wis.

William E. Hellscher's Wire Works, 38-40 Broadway, Detroit, Mich.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
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WOOD PRESERVATIVE

Conserve Wood Preservative doubles the life of all exposed lumber. Preserves benches, posts, sills or planking. Costs 2c. a stick, and saves ten times its cost. Samuel Cabot, Inc., Mfg. Chemists, Boston, Mass.

WHOLESALE FLORISTS

Boston

N. F. McCarthy & Co., 84 Hawley St.
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H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl.
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162 Livingston St., Brooklyn, N. Y.
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CELERY PLANTS.

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GIANT ENGLISH CYCLAMEN AND MIGNONETTE.

W. W. Hart & Co., Hartford, Conn.
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A SPRING VALLEY PLACE.

So far as we know, A. S. Burns of Spring Valley, N. Y., is the largest forcer of longiflorum lilies in this country. He was certainly one of the first, if not the first, to make a regular business of supplying this flower in quantity every day in the year. Horse Shoe Brand Giganteum are his specialty and house after house in all stages of growth and maturity may be seen any day in this well-conducted place. Mr. Burns is the son of Alexander S. Burns of Woodside, N. Y., one of the most successful of the older generation of florists and whose wise training and advice, no doubt, counts for much in the success achieved by the younger Alex.

There are fifteen houses in the range now—four of them covering an area of 140 x 140 having been erected this season. The capacity of this new addition is 75,000 lily bulbs. At the present time the regular cut per day is 3000 flowers. In addition to the giganteums Mr. Burns forces large quantities of auratum and speciosum. Of the latter rubrum is seen in greatest quantity. Mr. Burns says that he is unable to distinguish between a good brand of rubrum and those sold as magnificent, the former varying so much in type and color that it is not worth while to try to carry the two names. In the field at the present time is a vast stretch of Vick asters, remarkable as to stem and size of flower, when the unfavorable season is taken into consideration. The same cultural skill and diligent care is as apparent here as in the houses. This establishment promises to be eventually one of the foremost in the country.

Do You Know What You Want?

Look in the "Buyers' Directory" of this issue and you will probably find represented there somebody who can supply you. It's a good plan to look it over every week, for the weekly changes and additions are many.

See?

Landscape Gardening



PROF. CRAIG

A course for Home-makers and Gardeners taught by Prof. Craig and Prof. Batchelor, of Cornell University.

Gardeners who understand up-to-date methods and practice are in demand for the best positions. A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250 page catalogue free. Write to-day

The Home Correspondence School

Dept. H, Springfield Mass.

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

HELP WANTED

WANTED — Cemetery Superintendent. Place is open for a good man, married, protestant, not too large a family, in New England town. Greenhouse on place. Wages, \$900 a year and house. Address "J. W.," care HORTICULTURE.

WANTED—A foreman at our packing house who has had experience in packing trees and is capable of handling men who will keep sober. Married man preferred. Position ready October 1st. House vacant, near the packing house. Harrison Nurseries, Berlin, Md.

SITUATIONS WANTED

GARDENER would like position as greenhouse foreman on small place. Understands horses and cattle, handy man on place, married, two children. Address A. B., care HORTICULTURE.

POSITION WANTED—By two young, practical florists. Good growers of roses, carnations, pot plants. Also long experience in all branches. Able to take full charge of houses. Best of references. Four years in Am. business. Address, "Practicals," care HORTICULTURE.

FOR SALE

FOR SALE—Fresh from factory, new 10 x 12, 16 x 18, 16 x 24, double thick, A and B qualities. Market dropped. Now is the time to buy and save money. Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.

FOR SALE—Two water tube boilers, 100 H. P. each, Heine type; three tubular boilers, 66 inches by 18 feet; perfect condition and cheap. Armstrong Mfg. Co., Springfield, O.

GREENHOUSE 20 x 200 feet; been built about seven years; in good repair. Has been used for forcing cucumbers. Two hot water boilers and piping in perfect condition, with cemented cellar for car-load of coal. Located in center of town of 16,000 people. Will sell cheap if taken soon. A. E., care HORTICULTURE.

FOR SALE—One of the largest and oldest wholesale retail floral businesses in Denver—a money maker. Long term lease on \$100,000 property. Owner retiring on account of age and plenty. If you have \$25,000 your profits will only be limited by your ability. For particulars, address M. H. Learnard, 1226 East 22nd Ave., Denver, Colo.

WANT ADS

Don't have to run long in HORTICULTURE. One insertion often brings the desired results. If you need help or if you are looking for a situation, just try it. Cent a word.

PUBLICATIONS RECEIVED.

Massachusetts Horticultural Society, Transactions for the year 1911, Part 1. This publication comprises the lectures and discussions thereon, as presented at Horticultural Hall in the spring of 1911.

The Schedule of the First Annual Dahlia Exhibition of the New Haven County Horticultural Society, (Conn.), has been received. The show will be held on September 13-14, in Harmonie Hall, New Haven. The prizes are many and liberal, including several specials.

Annual Report of the Public Parks Board of Winnipeg, Man. for 1910. This is a 48 page publication attractively gotten up and lavishly illustrated. It contains the general proceedings of the department, Superintendent Champion's report and recommendations, secretary's financial report, account of boulevard construction, and three excellent maps.

Chrysanthemum Society of America.—Proceedings of the Ninth Annual Meeting. The Ninth Annual Meeting was held at Morristown, N. J., on November 2-4, 1910. This book gives a detailed report of what was done there, a review of the work of the examining committees for the season of 1910, lists of American and foreign varieties disseminated during the year and other valuable information. A portrait of President Elmer D. Smith forms the frontispiece.

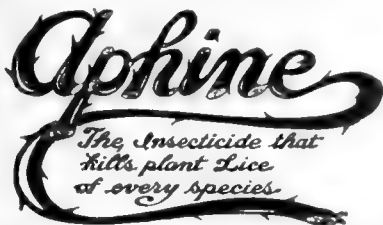
Railway Gardening Association—Souvenir Book for 1911. This elegant volume has been prepared and sent out by Secretary J. S. Butterfield as a labor of love and he has conferred a favor of no small degree on the gardening fraternity generally as well as those more intimately interested in railway adornment. The book contains 40 pages on heavy paper giving many full page group views of station gardening and interesting articles on various allied subjects.

The 1911 convention of the Association was held at Chicago on August 15-18, 1911. The officers for the next year are: President, Patrick Foy, Norfolk & Western, Roanoke, Virginia. Vice-President, F. W. Vail, Central R. R. of New Jersey, Dunellen, N. J. Sec.-Treas., J. S. Butterfield, Mo-Pac. Iron Mtn., Lee's Summit, Mo. Executive committee, all officers and Geo. B. Moulder, Illinois Central, Chicago; R. W. Hutchison, Penna. Lines West, Sewickley, Pa.; R. J. Rice, Michigan Central, Niles, Michigan.

The meeting for 1912 will be at Roanoke, Va., August 13-16.

VINCENT DAHLIA SHOW.

The Fifth Annual Dahlia and Flower Show will be held at the Vincent's Dahlia and Canna Farm, Cowenton, Md., B. & O. R. R., in connection with the Harvest Home Festival of Ebenezer M. E. Church, on Sept. 26, 27, 28 and 29, 1911. Special train will leave Camden Station, Baltimore, at 12.40 P. M., stopping at Mt. Royal and Gay Street Stations. Returning, leave Cowenton, 6.00 P. M. Regular trains will leave Camden Station 8.15 A. M., 2.10 and 5.00 P. M. Last train will leave Cowenton for Baltimore 7.17 P. M. Train No. 517, leaving Philadelphia 8.15, Wilmington 8.50, Newark,



Destroys green, black and white fly, red spider, thrips, mealy bug, brown and white scale, and all soft-bodied insects. An excellent cleanser for decorative stock. Used as a spray, you can rely on it for positive results, without fear of failure or dissatisfaction.

\$2.50 per gallon, \$1.00 per quart.

"FUNGINE"

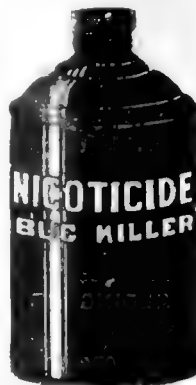
An infallible remedy for mildew, rust and other fungus diseases. A clean, safe and easily applied spraying material. It has no equal for destroying mildew on roses, and carnation rust.

\$2.00 per gallon, 75c. per quart.

FOR SALE BY SEEDSMEN.

Send for name of nearest selling agent. Our products are not alone endorsed, but are continuously used by leading commercial growers, professional gardeners, park departments and state colleges of the country. Aphine and Fungine can be used in house or field.

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APHINE MANUFACTURING COMPANY
MADISON, N. J.



The Best Bug Killer and Bloom Saver

For PROOF Write to

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OWENSBORO, KY.

Imp Soap Spray

Clean and odorless. Forms invisible films. Non-corrosive. Usual effective strength, one to thirty-two.

Single gallons, \$1.50
In barrels, \$1.00

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Pittsburg Street
BOSTON

To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

Use any form you choose but buy it of

E. H. HUNT, 131 N. Wabash Avenue, Chicago



Wilson Plant Oil & Fertilizer Company
150 Nassau Street, NEW YORK CITY
Horticultural Supplies

Write for our special Catalogue

Del., 9.09, will stop at Cowenton 10.27 each day of the show.

A. R. Earl, Chase, Sec.,
R. A. Vincent, White Marsh,
Chairman.

SEE!!

There are some good offers this week in the "Buyers' Directory" section of this paper. Field grown carnations, decorative plants, ferns, etc., are offered by firms of high standing and you should not overlook this seasonable opportunity to stock up with profit yielding material.

Cattle Manure in Bags Shredded or Pulverized

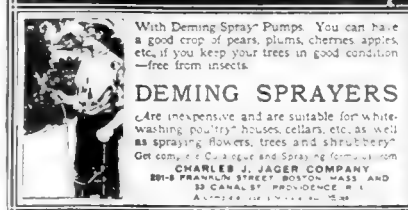
Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company
Union Stock Yards Chicago

Spray Your Trees and Do Your Whitewashing



With Deming Spray Pump. You can have a good crop of pears, plums, cherries, apples, etc., if you keep your trees in good condition—free from insects.

DEMING SPRAYERS

Are inexpensive and are suitable for whitewashing, poultry houses, cellars, etc., as well as spraying flowers, trees and shrubbery. Get complete Catalogue and Spraying Instructions from
CHARLES J. JAGER COMPANY
2018 FRANKLIN STREET BOSTON MASS
32 CANAL STREET PROVIDENCE R.I.

Cocoanut Fiber Soil

Is being sought after by all growers. Cover your lawns this fall and next summer you can have a green one.

20th CENTURY PLANT FOOD CO.,
27 Ocean St., Beverly, Mass.

FOR "POT LUCK" TRY US...

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS
WORLD'S LARGEST MANUFACTURERS
WRITE FOR CATALOGUE AND DISCOUNTS

Pearson Street,
LONG ISLAND CITY, N. Y.

A. H. HEWS & CO., Inc.

Main Office and Factories
CAMBRIDGE, MASS.

GREENHOUSES BUILDING OR CONTEMPLATED.

Milford, Ill.—J. M. Smith, one house.
Bellevue, O.—R. C. Arlin, house 24 x 125.

Brocton, Mass.—A. A. Reed, one house.

Brooklyn, Md.—Lehr Bros., rose house.

Rochester, N. Y.—E. Brockman, one house.

Utica, N. J.—F. J. Baker, range of houses.

Lincoln, Ill.—O. Heinbreiker, house 20 x 100.

Findlay, Ohio—E. J. Foster & Son, enlarging.

Brighton, N. Y.—E. Lion, show conservatory.

Eureka Springs, Ark.—C. I. Poor, one house.

Ishpeming, Mich.—Trebilcock Bros. one house.

Chicago, Ill.—C. A. Samuelson, show conservatory.

Quincy, Ill.—F. W. Heckenkamp, Jr., range of houses.

Shermerville, Ill.—F. F. Schell, range of houses.

Fall River, Mass.—C. Warburton, fern house 12 x 90.

Alpena, Mich.—Linke & Son, carnation house, 26 x 80.

Chicopee Falls, Mass.—Frank Burfitt, range of houses.

Savanna, Ill.—Lambert & Dunn, carnation house 30 x 200.

Wilmette, Ill.—Frank Felke, show conservatory, 14 x 50.

Louisville, Ky.—A. Rasmussen, two houses each 35 x 400.

Elmira, N. Y.—U. S. Cut Flower Co., 2 houses each 36 x 300.

Northfield, N. J.—Hendrickson Greenhouses, one house.

Providence, R. I.—Charles H. Hunt, two houses each 35 x 100.

Milwaukee, Wis.—C. C. Pollworth Co., display conservatory.

Arlington, Mass.—Frost Bros., 300 ft. vegetable forcing house.

Schodack, N. Y.—Capitol City Nurseries, plant house 25 x 100.

Asheville, N. C.—Brownhurst Greenhouses, two houses each 22 x 135.

Albany, N. Y.—F. A. Danker, two Lord & Burnham houses each 31 x 150.

Libertyville, Ill.—Meredith Flower & Vegetable Co., range of greenhouses.

Worcester, Mass.—High Street Greenhouses, carnation house 30 x 70.

Princeton, Ill.—W. E. Trimble Greenhouse Co., range of houses, 55,000 sq. ft.

Baltimore, Md.—Lord & Burnham Co. have received the contract for the erection of a greenhouse for the Johns Hopkins University. This house will conform to others, the building of which is proposed for some future time.

PATENTS

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Send your business direct to Wash agton. Saves time and insures better service. Personal attention guaranteed. Twenty-five years' active service. SPECIALTY: "Working on the Failures of Others."

SIGGERS & SIGGERS

PATENT LAWYERS

Box 9, National Union Building
Washington, D. C.

NEWS NOTES.

Owego, N. Y.—A. J. Thomas & Sons succeed A. J. Thomas in the florist business here.

Napoleon, O.—Albert Fahringer has purchased from Mr. Hartman the Hartman greenhouses.

Racine, Wis.—Clarke Adams has established a new plant growing business in this city and is now about ready for business. A Garland iron-frame house, 44 x 80, is completed.

Hartford, Mich.—A new enterprise here is the L. E. Davis place. A new greenhouse, 25 x 100, with two-story office building, 16 x 20, is nearly completed and Mr. Davis will be ready for flower and seed business about November 1. Future extensions are planned.

Bedford, Mass.—Fire on the night of August, 26 destroyed the storehouse and packing department of the New England Nurseries Company and did considerable damage to the gardens near. There was little water available and the flames had things practically their own way. The cause of the fire is not known and the damage is estimated at \$10,000, more than half of which was to growing plants or plants in storage.

Lexington, Ky.—The John A. Keller Estate has added a new house, 18 x 63, with 10 ft. side walls, for plant growing, and a new work shed, 18 x 75. This establishment, twenty years in the business, is now conducted by Mrs. J. A. Keller, with James P. Keller as manager. It is run in connection with a retail store and has been practically rebuilt within the past six years. Altogether, it comprises about 60,000 sq. ft. of glass.

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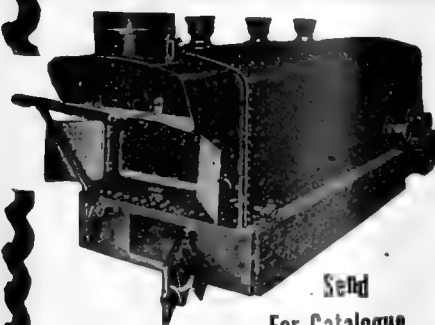
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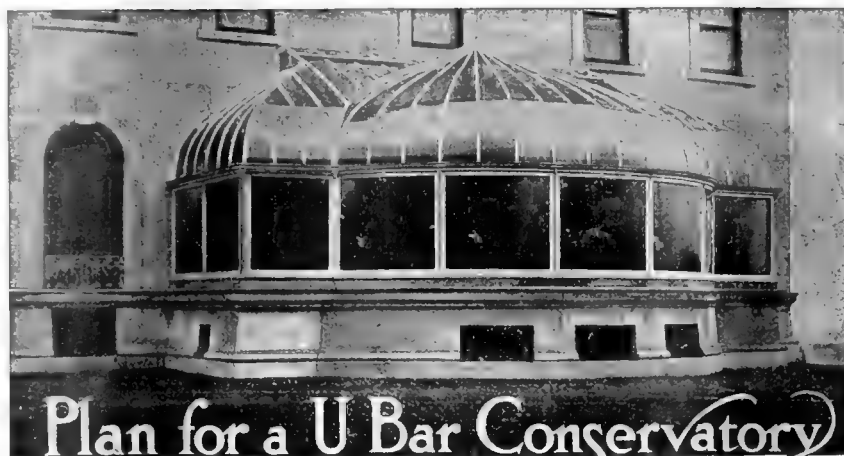
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HORTICULTURE

Vol. XIV.

SEPTEMBER 9, 1911

No. 11



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By this method you can get a more perfect plant as all the foliage is retained. There is no excuse to have crotons overrun with mealy bug, thrips and red spider. Use the hose on them with proper force once or twice a week.

All store stuff used either for tropical effect in bedding or outside decoration should now be removed to winter quarters. Those that are planted out should be lifted very carefully and potted up into the smallest pots that will just hold them comfortably, as the winter will establish themselves more compactly and also give you a chance to shift them into larger pots in the spring. Give frequent syringings, but be careful that you do not get too much water at the roots. Give all your decorative plants a thorough going over for such as cleaning, repotting and resetting. All ornamental foliaged plants will be greatly benefited by good sponging, and, where scale is found, a more thorough cleaning with Abolene followed by a good hosing will greatly benefit them. If

M. A. F. N. C. J. P. J. N. N. A. L. B. O. R. G. O. R. G.

When it is desired to raise or plant any new border, the plan is done and is occurring the present month. It is better to start a new and trench your ground by taking out a trench where you propose to start your border, ten feet wide and two to three deep. Wheel or cart this soil to where you wish this, then proceed by measuring out every two feet and turning it into the trench you have taken out, and so on until you have finished the border. This preparation of the soil will make the border suitable for the roots to run down from eighteen inches to a foot. If the soil is wet, under ground drainage will be necessary to avoid injury during rainy spells or winter killed by excess of moisture when they are dormant. This trenched border should be enriched with plenty of well decomposed manure and one dust deeply once a year. I shall treat in the next issue on planting and the closing of a collection.

Such species as *Phalaenopsis Aphrodite*, *P. grandiflora*, *P. Schilleriana*, etc., will soon be showing their flower stalks and should have some of the shading removed, leaving only a thin coating to keep the direct sun's rays from scorching the foliage. It is additionally good to keep the leaves and growth at the proper tissue. The secret is to turn out the plants slowly, folding a moist and light paper tent over the plants during one to avoid using too much fire heat. When the weather is dry and damp, a covering of the heat to maintain our house at 70 to 75° goes with ventilation on, as it keeps the plants from scorching, which is one of the great preventives against black spot. Give a light syringing at a distance of eight feet and, as more fire heat is required for floors and benches, only a light damp.

11 12

Plants that are wanted for early winter flowering should have their last shift now. Five-inch makes a very good size, but where exceptionally large and fine plants are required, six-inch pot can be used. A suitable soil for them can be prepared by intermixing equal parts trouble soil, goat manure, and cow manure, and enough of sand to keep it open. With proper protection from frosts, there is no better place for these plants than a cold frame, set out in October. After this time, should be placed on a well-lighted bench in any cool house or greenhouse.

John J. M. Farrell

Most of the results are consistent with the following: (1) Crystallinity increases with Dutch Reformation; (2) Ready for Christ, Crystallinity and Protestantism are related; (3) Protestantism is related to Protestantism.

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 A discredited
fad

There are many situations where an "Italian" or other formal garden scheme will fit appropriately into its environment but, in the "creations" of this character which we have been privileged to see in this country, very few have thus appealed to us. It is a pity to break up a picturesque landscape into geometrical spaces. Utility, not taste, is the motive for laying out cities in squares and triangles, but even then the custom is not essential as cities laid out otherwise are equally prosperous and infinitely more attractive. The more naturally disposed the more pleasing a garden or park will be, the changing character of the scenery as the season progresses giving a beauty that is ever new. The modern landscape architect is, we think, disposed to give too much attention to "vistas" and too little to outlooks and we cannot but sympathize and agree with the gardeners when they deprecate the tendency which seems to have grown of late, to lavish money on mechanical "gardens," the plan and effect of which is, oftener than otherwise, entirely out of harmony with the American landscape and jarring to the eye of the appreciative lover of nature. Architecture should never be used to debase nature; it should be treated as an auxiliary rather than the main theme.

With the coming in of September, florists' club meetings and local society activities will now be resumed. The wish has often been expressed that a closer affiliation could

be established between these numerous scattered organizations and the "parent society," as the Society of American Florists is sometimes termed, and various plans for bringing this about have been presented from time to time but without developing much that was really practical. The local bodies are, of course, occasionally in evidence in S. A. F. matters, as when they rally around a favored member who may be a candidate for office in the S. A. F., when they send a bowling team to a convention, or when they undertake to organize and entertain special convention parties but otherwise useful co-operation between the national and local associations is conspicuously absent. The time has now arrived, we should think, for some well-directed and broadly useful co-ordination to be planned out so that subjects of immediate general concern might be taken up simultaneously. A special committee of the S. A. F., or, if preferred, the executive board could be entrusted with the choosing of topics for each month and advising as to the lines on which a joint campaign for concerted action should be waged. Such matters as parcels post, reciprocity in horticultural material, plant quarantine and inspection, express abuses, methods of marketing and scores of other topics come at once to mind as suggestions for consideration respectively at the same time in all sections of the country. The salutary influence and effect of such concrete action on such questions must be apparent to everyone.

 Avoid
the ruts

Nothing is more easy, nothing more natural, than for the man who makes no especial achievement in life, to look at his neighbor, who is succeeding, and to say, "As he does, I will do. If he succeeds in this course, I will succeed." Such reasoning is characteristic of the man who lacks the initiative and keen perception of business

opportunity. The truly successful man is he, who, makes it a point to become master of his calling. Such a man takes a survey of the field in which he labors and thinks. He is naturally too proud to be an imitator and he has confidence that his judgment will lead him aright. Independence of thought and action were never more needed in the horticultural world than today, and there is every opportunity for such independence. Who would have imagined a decade ago, that the florist who specialized in sweet peas, for instance, would have created a most lucrative field, entirely his own? In the business of the commercial florist there is ample field for such diversification. In fact, there are scores of desirable flowers that, in the near future, will unquestionably become market standards. One great fault of commercial floriculture, in this country, is its narrowness. Today there is a demand not only for the flowers which have mingled alike with our sorrow and our mirth, but for those which have not, for new flowers, giving new inspirations. Happy the grower who is wise enough to make a good selection of such material from the vast amount available, that the result of his labor may give new inspiration to his patrons, and to himself the large return his enterprise merits. Perhaps in the near future some enthusiast will double the length of the stems of pansies, as others have already more than doubled those of the sweet peas. No one has yet grown for market purposes *Buddleia amabilis*, although it is unquestionably one of the most promising subjects. There are many choice annuals, like the *salpiglossis*, that would prove valuable for winter flowering. The innumerable new plants and lilies, collected by Mr. E. H. Wilson and others, to which frequent reference has been made in this paper, will undoubtedly furnish material that in proper hands will enrich their cultivators.

Paeonia Veitchii



The accompanying illustration shows a new hardy species of peony introduced by Mr. E. H. Wilson from the border of Thibet where it was found growing at an altitude of 9,000 to 10,000 feet. The flowers are single, saucer shaped, bright crimson and about three inches in diameter. The plant is free growing, free flowering and perfectly hardy around Boston. The elegance of the foliage is well shown in the picture.

Timber for Profit

It is very hard for the American farmer to look ahead. He does not want to sow anything that he cannot reap the next year. Besides he is on the look-out for a sale. In this state lands were sold by the D. K. Co. for \$5 per acre. When they got up to \$10 per acre a great many sold. Now these same lands are selling for from \$100 to \$200 per acre. Those who sold are living from hand to mouth—those that kept the home are rich. Land proves to be the most faithful friend a family ever had,

In the early days fuel was scarce; there were patches of timber along the creeks. Some progressive farmers ventured to plant the cottonwood on account of its rapid growth. A neighbor planted quite a number of acres and two years ago he sawed the trees and was surprised at the result. The low wet ground proved to be a gold mine and he sold an immense amount of wood and boards—nearly \$400 to the acre.

People are on the lookout for a quick growing tree which will bring in speedy returns. The Norway poplar fills the bill as the most rapid growing tree in the North. The Carolina proves to be short lived and cannot resist the cold of the Northern States.

The Park and Forest Society of Nebraska after urging the people for years to plant, have now prepared a circular giving some facts regarding this remarkable tree. They are spreading it broadcast to awaken a general interest in tree planting. Land is too valuable to be idle. A great timber want is coming down upon us. In 25 years lumber will be worth twice as much as at present. For a year or two lumber may be cheaper on account of the great areas burned over killing millions of trees. After that, prices must soar. We must look to the Amazon and to Africa; but these places are far away.

Take the item of boxes alone. In New England kind Mother Nature sows pine seed on the deserted farm and in 40 years an immense amount of boxing lumber is produced. The Norway poplar brings in speedy results. It is tougher than pine, and much stronger and will bear to be thin. For this reason alone it should be planted in immense quantities and as speedily as possible.

C. S. Hammon

York, Nebraska.

Polypodium Mandaianum

It is no exaggeration to assert that the magnificent new fern depicted on our title page this week has few equals and no superior in the whole line of decorative foliage plants. It is unquestionably the noblest of all greenhouse ferns. It is a unique crested form of the well-known *Polypodium aureum*. Its growth, as seen at the establishment of W. A. Manda, South Orange, N. J., is prodigious. The fronds are produced with astonishing rapidity and harden up quickly, so that for decorative work as cut material they are well adapted. No acanthus can equal their classic beauty of outline and poise. Mr. Manda has close to 50,000 young stock of this novelty.

WORK AT THE EXPERIMENTAL GREENHOUSES.

Read by H. R. Dornier before Illinois State Florists' Association, February, 1911.

Work at the Florists' Experimental Greenhouses has been continued during the year under the direction of the Advisory Committee and bids fair to give some interesting results. As a whole the work is progressing nicely and an inspection of the houses will, we think, show the plants in the experimental plats in better condition than ever before. The work as being carried on is quite a large undertaking and keeps those connected with it very busy looking after the many details. Much of the success of the season's work is due to the watchfulness and careful attention to details given by Mr. Nehrling.

The work of the year is divided into three experiments, one on carnations and two on roses. The completion of the new houses last winter made it possible to take up these lines of work on roses.

The Carnation Experiment.

The work in carnations is a continuation or rather a duplication of the work of the past year. At least another year will be necessary before final conclusions can be drawn. The work has given a mass of data which will require several months of hard work to put it into such shape as to give the greatest value. As a result of the past season's work, records were taken on 47,729 carnations representing the cut of six months beginning with November and ending on the 1st of May. During the past three months records have been taken on 17,092 flowers.

The object of the experiment is to determine whether just as good and as many flowers can be grown by using a very small amount of manure supplemented by commercial fertilizers as when large quantities of manure are used. It is also desired to determine in what proportion the three elements, namely nitrogen, phosphorus and potassium should be applied. If, of course, better flowers can be grown with the aid of commercial fertilizers this only proves our point.

It must be kept in mind that all natural manure cannot be dispensed with without injury to the soil and crops. Much of the nutritive substances in the soil are only made available by the bacteria present in the soil. The humus or decaying vegetable matter, and it is for this that natural manure is used in the experiment, furnishes the food and the medium in which these bacteria grow. So to get the best results manure should not be discarded altogether, but the quantity should be much reduced.

During the season of 1909 and 1910 four varieties of carnations, namely, White Perfection, Beacon, Enchantress and Winsor were selected as being representative types upon which to experiment. 678 plants of each were used and each variety represented a complete experiment.

From the first year's work it was decided that the best commercial fertilizers to use are dried blood for nitrogen with ammonium sulphate as a good second, acid phosphate for the phosphorus and potassium sulphate for potassium. The units of application selected are:

Dried blood at 2 lbs. per 100 sq. ft. bench, 5 in. deep.
Am. sulphate at $1\frac{1}{2}$ lbs. per 100 sq. ft.
Acid phosphate at $\frac{1}{2}$ lb. per 100 sq. ft.
Potassium sulphate at $\frac{1}{2}$ lb. per 100 sq. ft.
Manure at 115 lbs., or about $3\frac{1}{2}$ bu. per 100 sq. ft.

The standard then contained amounts of dried blood, acid phosphate and potassium sulphate at the rates above mentioned. The control or check sections contained an equal amount of manure but no commercial fertilizers. These fertilizers in the other sections were doubled and quadrupled singly, in pairs and all together. This then gave combinations of each necessary.

Complete records of the cut from Nov. 1st to May 1st were kept and a study of these is of great interest.

Cut by Months.

	Nov.	Dec.	Jan.	Feb.	Mar.	April.
White Perfection.....	1276	3086	1736	1120	1108	3183
Beacon	772	1983	2542	3167	2428	3317
Enchantress	402	1809	1937	1873	2080	3172
Winsor	185	1107	1883	2219	2105	3426

Cut for 6 Months.

	Total	OK.	$\frac{1}{2}$ Sp.	Split.	Average per plant.
White Perfection.....	11,510	9,583	507	1,330	15.0
Beacon	14,047	11,872	554	1,621	18.3
Enchantress	11,247	10,160	235	852	14.6
Winsor	10,925	10,416	129	380	14.2

Month of most split was: December, White Perfection; February, Beacon; January, Enchantress and Winsor.

By half splits are meant those whose calyx is partly split but not enough to allow the petals to fall down. In regular grading they would be classed among the firsts.

During the present season the following cut has been made:

	Nov.	Dec.	Jan.	Total.	Gain.
White Perfection.....	940	1,662	1,227	3,829	-2269
Beacon	1,715	1,891	1,240	4,446	854
Enchantress.....	1,452	1,962	1,493	4,907	+759

It would be noticed from this table that Winsor has been omitted. Owing to the fact that stem-rot developed very badly it was discarded and White Enchantress was used in its place. With this change in the variety it was decided to make a variation in the experiment. Accordingly half of this variety is being grown with commercial fertilizers and the other with natural manures and liquid manures made from it. The amount of dried blood, acid phosphate and potassium sulphate applied was twice that of the unit sections in the other experiment.

The following table shows the cut to date:

	Nov.	Dec.	Jan.	Total
With commercial fertilizers.....	168	743	420	1331
With natural manures.....	161	791	430	1382

This shows a slight increase in the natural manure but the present condition of the plants show that there will be more flowers in the former during the next two months.

The experimental work in carnations will, no doubt, show conclusively that equally good carnations can be grown with the use of commercial fertilizers used in conjunction with small quantity of natural manure as with nothing but the natural manure.

The quantity to be used, however, will of necessity have to be varied to suit the soil of each establishment. This quantity will have to be determined by experimentation. It must be borne in mind that commercial fertilizers are more concentrated than natural manures and so must be used with caution. An injudicious use of

these concentrated fertilizers will be followed by greater disaster than in use of natural manures. In taking up such a line of work the following applications may be taken as the basis of the work and be considered safe for the average soil.

Dried blood, 2 to 4 lbs., per 100 sq. ft. bench, 5 in. deep.
Sodium nitrate, 2 to 4 lbs. per 100 sq. ft. bench, 5 in. deep.
Ammonium sulphate, $1\frac{1}{2}$ to 3 lbs. per 100 sq. ft. bench, 5 in. deep.
Acid phosphate, $\frac{1}{2}$ to 1 lb. per 100 sq. ft. bench, 5 in. deep.
Potassium sulphate, $\frac{1}{2}$ to 1 lb. per 100 sq. ft. bench, 5 in. deep.
Manure should be applied at rate of about 3 to 4 bu. per 100 sq. ft.

Any help desired in planting such an experiment will be gladly given to any Illinois florist desiring it.

The Rose Experiments.

In taking up the work on roses it was decided to establish two lines which could be carried on at the same time, namely, fertilizer work such as was being carried on with carnations and a test of grafted versus own-root stock.

Fertilizer Work on Roses.

As roses are considered heavier feeders than carnations it was decided to use as a unit twice the amount used as the unit in the carnations. Otherwise the proportions are the same. For this work were selected the Bride and Killarney as representing two types of roses. Under the treatment given them the Brides have responded well and bid fair to give some splendid results. The Killarneys have not developed quite so well.

Where nitrogen has been applied in large doses the foliage is now taking on a yellowish color and shows over-feeding (see sections 3, 12, 15 and 20). Those sections with smaller amounts have a much better color and growth. See sections 1, 6, 11 and 13 which are some of the best in point of growth and number of flowers.

Grafted and Own Root.

In the study of the grafted and own-root stock it has been found that the grafted plants made a more rapid growth in the beginning which in nearly all cases has been maintained to the present, although the differences are becoming much less marked.

A study of the number of roses cut, not considering the grade, shows:

	Grafted.	Own-root.	Difference.
Bride	3019	2736	423
Killarney	2864	2703	361

While every attempt has been made to have these notes concerning the work accurate, they are at best tentative. It is only when all the notes have been thoroughly studied that complete results can be given.

Again let me repeat that the price of success in use of commercial fertilizers is care in the quantity used.

GLADIOLUS NOTES FROM MASSACHUSETTS.

Editor of HORTICULTURE:

Will you allow me a bit of your valuable space in above line. I read with much interest the most excellent notes on Gladioli by Mr. Betscher in the September 2 number, and as his productions came along similar lines as I found here, it may be of more than passing interest to some others interested in the same grand spikes.

This year, having occasion to test certain strains, I concluded I would make a general test as our firm are intending planting a considerable quantity another season, as the land intended could not be properly prepared this year on account of shortage in help. I laid off a plot of ground comprised of several different grades of soil and put in 6,000 plump, healthy bulbs of both American grown and European, and a quantity of African seedlings. These were planted April 10, and as the weather came off cold and ground crusted, I said goodbye to the bulbs, but a mulch was immediately put on and the plots show no bad effect from the cold except one small space. Soil a rich, rotten slate loam, north exposure, side hill, planted between peach trees, rows 2 feet apart by 6 inches between bulbs, a rate of about 31,470 bulbs to one acre. Another plot was planted at same time, 3 feet between rows and 1 foot apart for bulbs, counting at the rate of 14,520 bulbs to the acre, and planted in a rich sandy loam where tomatoes were raised last year and between rows of peach trees. On June 18 the first spikes were cut showing two to three flowers in bloom and buds well colored.

As with Mr. Betscher, I find the Lemoines were the first to open, but Pink Beauty was the first to open flower followed by a lot of Childsii and a variety of unnamed seedlings known only by number. Blushing Bride opened July 2 and is a very lovely flower of the Delicatissima type. Among our reds I think Princeps, a brilliant scarlet with white throat will be the earliest, but don't care to state definitely till tried out next year. The Excelsior strains did well, having extra long stems, some being cut 4 feet long. Among the American seedlings, the ones from S. C. Mellinger, Calla, Ohio, were the earliest, and had spikes we can ship 1,500 miles and warrant to arrive O. K. We are now shipping cut from his bulbs 500 miles and cut every day through last week's rain.

This coming season we shall check back all these bulbs and those that prove O. K. will go into our general planting. Mr. Betscher speaks of planting in March! Here in this valley of the Merrimac most years they could be planted April 1 on one tract of ground we have, a good sandy loam, well drained, and probably three days earlier. This would give blooms here about June 10 under ordinary weather conditions, but this year has been hard on bulbs, on account of the long drought.

On June 8 we mulched the plots heavy with sheep manure. Not the sheep manure in bags, but from our sheep pens where the sheep were bedded last fall with leaves and straw. We put this between the rows and be-

GLADIOLUS MRS. FRANK PENDLETON, JR.



This new gladiolus was the winner of the American Gladiolus Society's first certificate of merit at Baltimore, August 16, 1911, having been shown there by L. Merton Gage of Orange, Mass., and a few days later it was given a first class certificate of merit by the Massachusetts Horticultural Society. It is a seedling of Gandavensis X Lemoinei. In color it is one of the

richest flowers ever produced on a gladiolus—a lovely flushed salmon-pink flower with brilliant carmine blotches reminding one of some of the best fancy pelargoniums. The flowers are very large and open out wide, as the picture shows. The variety was raised by A. E. Kunderd of Goshens, Ind., and is named after a prominent society lady of Bar Harbor, Me.

tween the plants to the extent of a good three inches deep and gave it a thorough wetting down with water. The ground had been previously weeded and cultivated. The bloom was not a spike here and there but general all through plantings.

It is a great pity that more notes are not printed in a clear, practical line as Mr. Betscher's, but the tendency is to print a lot of rot. Only yesterday I read an account of a gladiolus grower who planted 200,000 bulbs to the acre and planted 19 acres, and the notes were sent to the paper by a man that knew better. Now there is a chance that the printer made a mistake of 180,000 bulbs but no excuse for 19 acres. What a trade journal is for facts and help to the grower, the wholesaler, and the retail merchant, and not trash.

CHARLES F. NEWELL.
West Newbury, Mass.

H. A. Stevens of Dedham, Mass., is marketing an exceptionally fine grade of asters grown from seed of his own saving, selection having been made for several years.

ROYAL INTERNATIONAL HORTICULTURAL EXHIBITION.

The revised schedule for the International Exhibition, to be held at Chelsea, in May next, is now ready for distribution, and copies may be obtained, post free, from T. Geoffrey W. Henslow, Secretary, Royal International Horticultural Exhibition, 7, Victoria street, Westminster, London, S. W. A preliminary schedule was distributed some months ago for the purpose of affording exhibitors some indication of the general nature of the competitive classes, but it was not possible at that time to enumerate the awards. These latter include presentation cups offered by His Majesty the King, the Duke of Portland (President of the Exhibition), and others, also a large number of gold and silver medals. In some of the more exacting classes money prizes accompany the medals, in order that exhibitors may be compensated for expenses necessarily incurred. The present schedule contains this information, and it is therefore indispensable to those who contemplate making contributions to the show.

CLUBS AND SOCIETIES

FLORISTS' CLUB OF WASHINGTON.

The club held their regular September meeting at their quarters, 1214 F street, N. W. The secretary read a letter from Mrs. John Birnie and family thanking the members for their expression of sympathy in their bereavement and a similar letter from the family of the late Joseph R. Freeman.

The renting agents having in charge the building containing halls at 419 Tenth street, N. W., have made an offer to sublet one of their halls for the use of the Florists' Club on their regular meeting nights. It has long been the desire of the membership to have a permanent and suitable meeting place and this offer has again started this discussion. The present quarters are quite suitable but "a home of our own" is the sentiment prevailing.

Other similar offers were made and a committee was appointed composed of Messrs. Bollinger, Cooke and Schmidt to investigate and to report at a future meeting.

A rising vote of thanks was tendered Mr. and Mrs. W. F. Gude for the hospitality shown the members who attended the August meeting held at the Gude home.

Many of the members have failed to receive photographs taken of the annual outing and of the "Grotto" meeting and this matter was ordered to be investigated.

Due to the inadequacy of suitable floor space available for the purpose at the present time, it was decided that the club hold no flower show this year. It is the belief of all that if a show be held it should be worthy of a National Capital enterprise which, under the present existing circumstances, would not be the case.

CLARENCE L. LINZ.

FLORISTS' CLUB OF PHILADELPHIA.

The September meeting of the above club, held on the 4th inst., was well attended—it being nomination night, and the interesting things of the recent convention being up for discussion. J. Otto Thilow was nominated for president; George Craig, treasurer; David Rust, secretary. It was voted to hold a banquet the first Tuesday in October to commemorate the twenty-fifth anniversary of the founding of the club. Convention matters were gone over by Robert Kift, Adolph Farenwald, John R. Andre, John Westcott, and others. The Leo Niessen Co. exhibited some new dahlias grown by the Peacock Co., includ-

ing Dorothy Peacock, Fringed Century, Eckford Century and Golden Century. William Tricker, Arlington, N. J., exhibited plants of a new variegated form of *Vinca minor* (*Vinca minor aurea*) which he stated was very dwarf and very hardy. In answer to the question as to whether it would stand the rigors of a window box in winter Mr. Tricker said he could not say as yet, not having tried it. The secretary was instructed to convey the thanks of the Club to the Baltimore brethren for many courtesies to our members during convention week. David Rust was appointed essayist for next meeting, his subject being a historical sketch of the club since its foundation.

HORTICULTURAL CLUB OF BOSTON.

On Wednesday evening, August 6, there was instituted at the Parker House, Boston, a new organization to be known as the Horticultural Club of Boston. Its purpose is horticultural development and to work, not in competition with but in co-operation with, existing organizations for the advancement and uplifting of horticulture in all its branches. The officers elected are: President, J. K. M. L. Farquhar; Vice-President, F. R. Pierson; Secretary, E. H. Wilson; Treasurer, E. Allan Peirce.

CLUB AND SOCIETY NOTES.

The Horticultural Society of New York will hold an exhibition of dahlias and other fall flowers at New York Botanical Garden on September 16 and 17.

Expectancy is on tap for the first

meeting for the season of the New York Florists' Club, which is scheduled for next Monday night, Sept. 11, and a big turnout is assured.

The Ninth Annual Fall Exhibition of the New Bedford Horticultural Society will be held in Odd Fellows Hall, New Bedford, Mass., on September 14, 15, 16. The display of dahlias, which are a leading product of that section, will undoubtedly be large.

The Southern Nurserymen's Association convened in Greensboro, N. C., on August 24 and 25. A capital address of welcome was made by Mayor T. J. Murphy and Charles Smith of Concord, Ga., responded. The attendance was good and the discussions interesting.

At the exhibition of the Worcester County (Mass.), Horticultural Society on August 31. H. A. Dreer of Philadelphia made a very fine display of aquatic plants and flowers in two large tanks. Gladioli and asters of high quality were shown in large numbers by many contributors.

The Vegetable Growers' Association of America will hold their fourth annual convention in Boston, Mass., September 19 to 22. The program for the meetings and exhibition, which will be held in Horticultural Hall, has been issued and copies may be secured by writing to S. W. Severance, Secretary, 508 Walker Building, Louisville, Ky.

CHICAGO BOWLERS.

With the first appearance of fall business the subect of bowling comes to the front with the Chicago florists and the preliminary steps will be taken to organize in another week. New alleys have been built and an effort will be made to secure them.

The Chicago Carnation Co. ball team lost to the Northeastern Athletic team of Joliet last Saturday, 11 to 13.



GARDENERS' AND FLORISTS' CLUB OF BOSTON
In Gladioli Fields of R. Hammond Tracy, Wenham, Mass.

RED BANK, N. J., EXHIBITION.

The members of the Monmouth County Horticultural Society made a very creditable display of plants, flowers and fruits at the County Fair held at Red Bank, N. J., from August 31st to Sept 4th. Their exhibits were arranged in a large new tent and were nicely staged—in fact this tent was more largely patronized than any other part of the fair except perhaps the trotting course. Good prizes were offered by residents of the locality and in the majority of cases were worthily competed for. For group of foliage plants Wm. Turner was first with N. Butterback a close second. These groups were good, clean, well colored and artistically arranged. Mr. Turner also won first with a table of store and greenhouse plants. N. Butterback was first on group of ferns and they were beautiful and well put up. Turner was there again with a group of crotons and dracenas with Butterback second. These were highly colored groups, the dracenas adding gracefully to the effect. Best 6 palms brought out some fine specimens with the above two competitions in the same order. Then Butterback went one better by getting 1st on 6 ferns, 6 varieties, Turner evening up by capturing the prize for 3 specimen palms with immense kentias, Butterback 2nd. It was the same order of things in the class for one specimen palm. In the next two classes calling for five ferns and specimen fern, Butterback won both. Turner second for specimen. For specimen foliage plant Turner 1st and Butterback 2nd. In the class for 12 crotons Geo. Hale stepped in and captured 1st, letting his friend Butterback off with 2nd. For specimen *Adiantum Farleyense*, Butterback won 1st. For *Rex begonia* Wm. Robinson landed 1st, as he did for 6 begonias. In the 12 fibrous-rooted begonias Butterback 1st, Wm. Dowling 2nd; 12 flowering plants, Turner 1st, Hale 2nd and Metzdorf 3rd; 6 orchids, Turner 1st; geranium in bloom, P. Lichenstein.

It will be seen by the above that William Turner and Nicolas Butterback, both of Oceanic, had it pretty near their own way in the plant division. However, there was more of a scrimmage in the cut flower section. Butterback captured 1st on greenhouse roses; Wm. Dowling 1st on outdoor roses; 12 specimen outdoor flowers, Geo. Hale 1st, P. Lichenstein 2nd; collection of annuals, Wm. Dowling 1st, Hale 2nd; collection of perennials, Peter Murray 1st, Butterback, 2nd; phlox annual, Alfred Griffiths, 1st, Wm. Metzdorf, 2nd; collection of gladiolus, Geo. Hale 1st, T. Shuit 2nd; Hale also won 1st for 25 varieties of gladiolus. Geo. L. Stillman, of Westerly, R. I., captured first in all the dahlia classes with some very fine blooms, Hale coming in second. We noted that these dahlias attracted very much attention from the wealthier classes. Asters were shown in elegance and variety, Wm. Dowling getting 1st, A. Griffiths 2nd. J. T. Lovett arranged effective groups of evergreens and cut flowers and Chas. W. Schneider several groups of palms, etc., both not for competition. A. Griffiths captured 1st for miniature flower garden design and several awards in open classes were won by those mentioned in the above several

lists. The same men showed up well in the classes for fruits and vegetables. The amateur classes were well filled and great enthusiasm was shown in all classes of horticulture. Millionaires were chummy and for the time brothers with the gardener and 'twas good to see the beauty of flower and goodness of fruit level for a day or two the gilded obstacles which rear themselves among humans. Peter Duff, Orange, N. J.; Wm. Duckham, Madison, N. J., and Arthur Herrington, N. Y., were judges. Oh, we must not forget John Daly winning 1st on vase of roses. Cannot afford to leave the Irish out of anything.

J. IVERA DONLAN.

A NEW GROWERS' COMBINATION.

A number of growers for the Boston cut flower market to the number of twenty or more have combined for the cooperative marketing of their product. The new concern will be known as the Flower Growers' Sales Co. They have secured some 25 to 30 stalls at the Boston Flower Exchange



E. ALLAN PEIRCE.

Market and expect to control the product of nearly a million feet of glass.

The officers are as follows: President E. Allan Peirce; Vice-President, Louis J. Reuter; Treasurer, J. Frank Edgar; Directors, Wm. Sim, Thomas Roland, C. Holbrow, B. Hammond Tracy, A. A. Pembroke, Wm. Jurgens, F. Dolansky, F. P. Putnam, F. Lenk. The business office will be at 6 Province Court.

INCORPORATED.

Norfolk, Va.—Suffolk Floral Gardens; general floral business; capital stock from \$10,000 to \$25,000.

Champaign, Ill.—That the Illinois Central greenhouse will be moved from Champaign to Flossmore, was the statement of a Champaign official of the Illinois Central Railway Co. The cause for the removal as given is that the smoke and gas from the roundhouse makes it impossible to grow some kinds of flowers at the Central's greenhouse in Champaign.

SHREWSBURY SHOW.

England's great show has again closed, leaving as it does pleasant memories to thousands and thousands who cast care aside for the nonce and took in the feast of another year's labor of Britain's best horticulturists, and some of the cleverest performers in their various stunts. I mention the latter, as the committee caters for all classes, whether interested in gardening or not. Anyone, no matter of what temperament, can spend an enjoyable day at "The Show," as it is termed locally.

1911 will long be remembered by all connected with the show, either as exhibitor, visitor or committee, as only a few days previous it looked as though there would be no show, owing to the great railway strike which the country has been up against. Happily this was brought to a satisfactory settlement in time for most of the exhibits to be brought in. Some, however, could not get through in time and at intervals the following notice appeared on blank spaces.

"The committee regrets that owing to the railway strike this space cannot be filled by the firm for whom it is reserved."

Considering the excessive drought the country has experienced this summer stuff was very good, the cottagers' classes only showing any falling off.

Messrs Cypher & Sons, Cheltenham, won out on the large group of flowering and foliage plants arranged for effect, followed by Mr. McDonald, gardener to Sir Geo. Kenrick. The same firm was also to the front for fifteen and six stove and greenhouse plants. Messrs. Veitch had a splendid collection, including many hybrid cattleyas, *Miltonia vexillaria* and specimen *nepenthas*—not for competition.

A new class was a group of herbaceous plants to include rock work and lake. This was won by Gunn & Sons, Alton, with a very telling effect. Some very fine nymphaeas were to be seen here. Blacamore & Longden, Bath, had an excellent group of tuberous-rooted begonias. In size and color they were fine. Kelway's gladioli were a feature. Carnations were below our American quality. Sweet peas were only moderate. The King Acre Nurseries staged a large group of pot fruit trees. The champion decorated fruit table was won by P. F. Barnes, gardener for the Duke of Westminster being twenty points ahead of Mr. Goodacre, Elvaston Castle. There were five entries for this class.

Some splendid produce was to be seen in the various collections of vegetables. Mr. Beckett, gardener to Hon. Vicary Gibbs, Aldenham House, had an extensive non-competitive exhibit. Messrs. Webb of Wordsley, Stourbridge filled a large space with superior produce including 100 dishes of vegetables, 10 varieties of melons, 50 varieties sweet peas and various flowering plants.

The floral display at the N. H. State Fair held at Nashua this week was of small extent but the flowers were excellent as to quality, especially the dahlias, of which fine collections were shown in the various classes by the East Manchester Dahlia Gardens of East Manchester, N. H. and C. S. Finnacum.

CARNATIONS OF TODAY.

Extract from a paper read before The Florists' Club of Philadelphia, February 7th, 1911, by W. H. Taplin.

Qualities Demanded in a Seedling.

A new variety at the present time is exposed to keen criticism, for a very high standard has been reached, and it is not enough for a new seedling to simply show good size and fair color, for the trade demands not only that a large flower of good form and pleasing color shall be produced on a good strong stem, but also that the plant shall be of good constitution and free in growth and flower, and, last but not least, the retail man, who after all seems to be the supreme court of the cut flower world, declares that the flower must be a good keeper and of such a shade that he can use it to advantage. With such requirements as these constantly before him the carnation hybridizer has much to work for, and much work to do, and that some of them do appreciate the size of their task is evidenced by the care with which they select the candidates for popular favor from among the hundreds, or even thousands of seedlings from which they may make a choice.

Results of Indoor Culture.

Then we have to take into consideration the fact that varieties are likely to depreciate after having been grown for several years, possibly owing in part to some inherent weakness of the stock from which they sprang, and in part to the artificial conditions under which they are grown, for under the present conditions of commercial cut flower growing, our carnations are grown along under comparatively high pressure, having no season of natural rest such as most plants demand. In fact the seasons are too short to allow of any rest period, so we keep on propagating and growing a variety until its constitution gives out, and then look for something of similar or better color and habit to take the place of the older variety.

Continued indoor culture of carnations seems to bring about the failure of a variety as soon as anything, though in making this assertion I am fully aware that there are differences of opinion on this subject. There are arguments in favor of indoor culture, not the least of which is found in the fact that the bench-grown plant is likely to produce a large flower on a long stem at an earlier period in the season than may be had from a field-grown plant, but the total number of flowers from a field-grown plant is likely to greatly exceed the result from the bench-grown specimen, and taking the season as a whole the net returns will probably be in favor of the field-grown plant, without taking into consideration the greater vitality that is retained in the stock by the outdoor system. Those three months in the open air counts for much in the preparation of a plant that is to endure a long season of forced growth under glass.

The Test of Novelties.

Then in the race to produce a given number of plants, some of the new varieties are over-propagated; every possible shoot, and some that we might term impossible are put in as a cutting with the natural consequence that many deficient plants are put out each

season, and many disgruntled customers are made. It is not necessary at this time to specify instances of this practice, but that such is frequently the case will be readily admitted by anyone having much experience in the trial of novelties in the carnation line, and, while speaking of novelties, it must be admitted that every hybridizer is liable to view his own production with a somewhat lenient judgment, which makes it the more necessary that these novelties should be passed upon by a qualified committee, and served in a somewhat similar manner to that in use by the Rose and Chrysanthemum Societies. The more general adoption of such a plan would possibly lessen the number of varieties that may be introduced, but would also save quite a sum to those growers who find it needful to try out a batch of novelties each season with a view to keeping up with the procession. It is not merely the original outlay for a limited number of plants that counts in these experiments, but there is also the loss of so many feet of bench space that ought to be productive.

Record of Some Recent Varieties.

Dorothy Gordon bears a strong resemblance to Rose Pink Enchantress but seems to be a little more even in color, though in form, size, stem, and general characteristics it is extremely difficult, and as a matter of fact is well nigh impossible, to distinguish the one from the other. Then there is the dark sport from Pink Enchantress that has been named Washington, and if this variety looks anything like a colored cut supposed to represent it that has recently been issued, it is a flower that would not appeal to the writer, but it is more charitable to blame that on the printer rather than the flower, and it would be better to suspend judgment until a later period.

In scarlet there does not yet appear to be a better than Beacon, this variety being so extremely free that most growers are ready to forgive its serious fault of splitting badly in mid-winter. Scarlet Glow is a fine flower, and very bright and cheerful in color, but thus far does not equal Beacon in growth and number of flowers.

Pink Delight is a variety that has received much favorable criticism during the past year, the flower being of fair size and even in color, and the stem unusually good. It is not pink in a strict interpretation of the color, there being rather too much salmon to be called pink, but it is a beautiful carnation just the same.

Admiration is a fine colored variety, and a good sized flower, but unfortunately it has no constitution and thus seems to be out of the race. Princess Charming as shown the past fall is a variety of much promise, but as to whether it will replace Enchantress remains to be proved.

Mrs. C. W. Ward is making many friends among the growers, this variety having a good-sized flower of pleasing color, and produced on a particularly good stem. It is somewhat liable to bleach as the sun grows stronger, but withal is a fine carnation. Alma Ward is a fine exhibition variety, but not free enough for the average grower. Some of the Lawsons are still grown, but most commercial growers require more size and stem than is found in Mrs. Lawson and the nu-

merous varieties that have been derived from that prolific source, and while many are still growing Winsor for color, yet it scarcely reaches up to the standard of the large city markets.

Variegated varieties are not in large demand and Mrs. Patten and Variegated Lawson occupy a considerable proportion of the space that is devoted to those of fancy marking. It can scarcely be said that there is a standard crimson variety at this time, for although there are many that are being tested in various parts of the country there seems to be something lacking, either in constitution, size, stem or color, and there still seems to be room for a good variety of this color.

PHILADELPHIA NOTES.

Messrs. Rice and Eschner had a pleasant outing with their visitors from the south, to the Heacock establishment at Wyncote and the Hathboro place of H. Weiss.

W. Atlee Burpee is home from his European trip looking bronzed, hearty and happy. He is already getting in touch with home affairs—and wondering who is to be our next mayor.

Philip Freud of the Henry F. Michell Co., is the busy man this week. 960 cases of French bulbs came in and had to go out to about 960 different points. That takes some hustling; three men and a boy. What gets Philip is that the High Browns up in the advertising department think they do all the work!

Pennock-Meehan Co., Berger Bros. and the Henry F. Michell Co. were among the prominent stores we heard of as closing at noon on Labor Day. Force of habit, conditions and conservatism are probably among the reasons why all did not fall into line. There is mighty little doing in any department on the afternoon of Labor Day.

Owing to the high price of immortelles this year many florists are going in for cape flowers instead. The Rice experts seem to have struck the right combination for producing a bright scarlet for Christmas work. Nothing quite so dainty and perfect for this purpose has come under our notice. The foreigners have not been able to approach this in brilliancy so far.

M. Rice & Co. have been compelled to institute a new department. Frederick W. Smith entered on his duties as chief of publicity, Sept. 5th. He will look after catalogue and circular work, and other advertising. The heads of the firm have reached the point where they have had to get some relief from exacting work of that kind. We congratulate them on having secured an able and experienced man.

The Dreer catalogue this fall is the most dignified and finished proposition we have ever seen them get out—and that is saying much. The covers are "idealized tulips" with a vim and swerve to them that is exceedingly effective—and the brown duo-tone finish is artistic and in the finest taste. Inside bears the same stamp of the master mind. All the heads of departments contribute; but the head chef in the main achievement is George D. Clark. Wha's like us!

We do not know where Samuel S. Pennock is. He may be frozen up on some cool seascape in Rhode Island, or he may be down among the Blue

Dreer's Imperial Japanese Iris

Our stock of these beautiful Japanese Iris is not only the most extensive in the country, but is also the largest assortment of home grown varieties offered and can be relied upon to be true to name and color.

September and October are the best months to plant. We supply strong liberal divisions of the most satisfactory planting size.

DOUBLE FLOWERING OR SIX PETELED JAPANESE IRIS

- No. 3 **Kosui-No-Iro.** Light violet with white veins.
 4 **Yomo-No-Umi.** A fine free flowering early double white.
 5 **Koki-No-Iro.** Rich royal-purple with white veinings.
 8 **Talheiraku.** Ten petals, crimson-purple with yellow centre.
 20 **Kuma-Funjin.** Silvery-white, with a broad border of magenta-lilac veined with white.
 22 **Sano-Watashi.** White, with canary-yellow centre.
 24 **Gosetsu-Mai.** White, veined and traced throughout with aniline-blue.
 26 **Uchiu.** Bright purple with crimson sheen.
 44 **Yoshimo.** Very large flower; creamy-white, delicately veined with violet.
 47 **Renjo-No-Toma.** Petals peculiarly fluted, light violet with white halo and light veinings.
 49 **Wakamurasaki.** Crimson purple with dull lilac shadings at base of petals.
 57 **Hodai.** Silvery-gray, suffused and densely veined with violet purple.
 58 **Mana-Dsuru.** A fine, late flowering white.
 65 **Ho-O-Jo.** Rich velvety-purple with crimson sheen.
 68 **Fuji-Mine.** White, veined with deep purple.
 69 **Waku-Hotei.** Pure white, veined throughout with purple; fine late flowering variety.
 71 **Geishoi.** Eight to ten petals; bright crimson-purple with white veinings; full double flower.
 72 **Iji-No-Hotaru.** Bright violet-purple, shaded blue.
 91 **Kan-Ran.** White; densely veined with rich violet-purple.
 95 **Raiden.** White ground, densely dotted and blotched violet.
 105 **Nagano.** Rich violet-purple, shaded with blue.
 108 **Shimosa.** White ground, minutely and densely spotted throughout with bright violet-purple.



SINGLE FLOWERING OR THREE-PETALED JAPANESE IRIS

- No. 1 **Iso-No-Nami.** Silvery white, veined with violet.
 2 **Tora-Odori.** White, faintly traced with violet.
 6 **Dute-Dogu.** Rich violet-purple with metallic sheen.
 11 **Hano-No-Nishiki.** Bright violet-purple, veined with white.
 12 **Shippo.** Light lilac; densely veined with purple.
 15 **Gekka-No-Nami.** A very early pure white.
 18 **Meiran.** White, densely marbled and veined with light-violet.
 23 **Yedo-Kagami.** Magenta lilac, veined with white.
 43 **Shi-Un-Ryo.** Greyish-white, deeply and densely veined and suffused with violet.
 62 **Misutmoshito.** Violet-purple, marbled with white.
 67 **Kigan-No-Misao.** A late flowering pure white.
 70 **Kimi-No-Megumi.** White, densely veined with purple; late-flowering variety.

- No. 73 **Shirataki.** Silvery white, border of petals suffused with light Parma-violet.
 76 **Mine-No-Yuki.** White, veined and dotted throughout with violet-purple.
 77 **Yayaura.** White, occasionally marbled with light violet.
 80 **Bunbudo.** Bright violet purple with darker veinings.
 82 **Ari-Ake.** Violet-purple, marbled with white.
 96 **Tebotan.** White ground, with prominent violet-blue veinings.
 97 **Shiro-Fungen.** Light ground, suffused throughout with bluish-violet.
 98 **Osakazuki.** Light violet mauve with lilac shadings.
 99 **Komanyo.** Bright violet, shaded with blue, numerous white veins and markings.
 100 **Yomo-Zakuru.** Light ground color, densely veined and suffused reddish-purple.

Price, any of the above named varieties, \$1.25 doz.; \$8.00 per 100; \$70.00 per 1000.
Unnamed mixed varieties 85 cts. doz.; \$6.00 per 100; \$50.00 per 1000.

For the most Complete List of Hardy Perennial Plants as well as all other Seasonable Stock
See our current Wholesale List issued September 1st.

HENRY A. DREER, Inc., 714 Chestnut Street, Philadelphia, Pa.

The above prices are intended for the trade only.

Noses in Nova Scotia. At all events, he is not within hailing distance of Delaware Bay. Else he'd be back on the run, hay fever or no hay fever. Senator Penrose has turned reformer! This is dishing the Whigs and stealing their thunder with a vengeance. Lively times ahead!

"When the devil was sick,
 The devil a saint would be;
 When the devil was well,
 The devil a saint was he."

George D. Clark, J. Otto Thilow and George A. Strohle, all of Dreer's and

big chiefs in their respective departments, have mysteriously disappeared. The latest reports are that the former is at Eaglemere, the other in Alaska, and the latter at Baden-Baden. Our special correspondents at these widely separated points have been unable to verify the reports, but from careful investigations of their financial conditions at home we think we may assure our readers that there is no cause for alarm. They will, no doubt, all turn up in due time.

Visitors: Miss M. S. Newman and Miss Armstrong, St. Louis, Mo.; Mrs. John Walker, Youngstown, O.

Visitors reported at M. Rice & Co.'s: J. Van Lindley and Charles Moorby, Greensboro, N. C.; H. B. Jones of Jones-Russell Co., Cleveland, O.; Miss J. S. Newman and Miss Armstrong, St. Louis, Mo.; Max Rudolph, Cincinnati, O., returning from an European trip; J. S. Simmons and family, Toronto, Canada, returning from a month's visit to Cape May, N. J.

Obituary

George M. Haeker.

George M. Haeker was overcome by the heat while working in the greenhouses of Mrs. Joseph F. Lang, 2010 Melrose street, Chicago, Ill., where he was manager. He died on August 20, aged 52 years.

T. J. Gorman.

T. J. Gorman, Outremont, Montreal, Canada, was killed in an automobile accident on August 17. For many years he had conducted a florist establishment on Mount Royal avenue. He was unmarried.

Philip Fisher.

Philip Fisher, florist, of Chambersburg, Va., was found dead in bed on August 29, at his home. Mr. Fisher was 72 years of age, a native of Chambersburg and served in the 21st Pa. cavalry during the war.

Robert Linney.

Robert Linney, died at his home, Akron, O., on August 18. For many years he conducted a florist business on West Market street, retiring about five years ago. Mr. Linney was 85 years of age and had resided in Akron for forty years.

Jacob Ellettson.

Jacob Ellettson, of Auburn, N. Y., passed away on August 17, aged 78 years. He was born in Kinnongham, Yorkshire, England and came to Auburn in the early 50's. He was an expert landscape gardener and grower. His wife survives him.

W. F. Heike.

W. F. Heike, founder and manager of the Huntsville Wholesale Nurseries, Huntsville, Ala., died suddenly in Cleveland, O., on August 25. Mr. Heike came to Huntsville about thirty-seven years ago and founded the nurseries of which he was manager, in 1882. He was president of the Alabama State Horticultural Society, a member of the American Association of Nurserymen and was well known among the trade.

Col. Thomas V. Kessler.

The death is reported at Pensacola, Fla., of Colonel Thomas V. Kessler, the representative of the Goulding Fertilizer Co., of Dublin, Ireland. Col. Kessler, prior to the establishment some twenty years ago of the Pensacola plant, had charge of the Baltimore offices of the company and here as in Pensacola he made many friends. Colonel Kessler for many years has been a member of the staff of the governor of Florida. He is survived by a widow and five grown children.

Francis O. Canning.

At Villa Nova, Pa., Sept. 1st, Francis O. Canning, 44 years of age. This gentleman was a well known florist and a member of the well known private garden club. He died suddenly and was buried in the same grave. At the time of his death he was in charge of the estate of Samuel T. Bodine of Villa Nova. He had occupied other good positions, and was a fine gardener and instructor in the

Agricultural College at Amherst, Mass. He was a forceful writer on horticultural subjects for the trade press, and highly esteemed by all who knew him.

William Peck.

William Peck, owner of the Baraboo City Greenhouses, was killed at Grand Marsh, Wisconsin, Saturday, August 26, when he fell from a flat car on a gravel train.

Mr. Peck was born at Ableman, Wisconsin, April 1, forty-four years ago, but has made his home at Baraboo most of his life. He was a conductor on the Chicago and North Western Railway for which company he had worked for nineteen years. Mr. Peck was always a great lover of flowers and about seven years ago he built the first of his greenhouses in the city of Baraboo. Since that time he has added to his greenhouse area as increased trade required and materials already on hand would have increased his glass area to 10,000 feet. These he managed while still retaining his position on the railroad. It had been Mr. Peck's intention to quit the railroad and give his whole attention to the greenhouse business in another year, when his tragic death ended his plans.

The funeral was held from his home in Baraboo, Monday, August 28. Members of the B. of R. T., O. R. C., and K. of P. lodges attended in a body as well as a host of other friends. There were a great many designs and other floral tributes.

He is survived by his wife, to whom he had been married but five months, and three children by a former marriage.

DETROIT NOTES.

E. A. Scribner, our veteran florist and debater, is still down east looking around for pointers to disseminate at the club next winter.

Mrs. Freeman, successor to Geo. A. Heintz of Toledo, passed through the city on her way to New York, where she will spend several weeks with friends.

Sept. 14 and 15 are the days set for school children to display their product of flowers and vegetables grown from seeds distributed by the 20th Century Club. Members of the Florist Club and of the 20th Century Club will act as judges and distribute prizes. The Florist Club will again give a Boston fern to each of the schools participating.

Labor Day did not stop the faithful few from attending the club meeting. They were pleased to hear that the Rose and Carnation Societies have agreed on a date to hold their convention here and both societies may rest assured of a hearty welcome. G. H. Ellis of Leamington, Ont., arrived at the club rooms in his auto and surprised the members with large baskets of grapes and peaches.

FRANK DANZER.

A CARD OF THANKS.

Mrs. J. R. Freeman and family of Washington, D. C., desire to express through this paper their great appreciation of the kind expressions of sympathy extended to them by so many members of the Society of American Florists' Club of Washington and thanks for the beautiful floral offerings.

WASHINGTON NOTES.

Harry Papworth of New Orleans, La., was in town last week visiting his many friends.

Alvah Godding of Anacostia, D. C., a gardener in the employ of the government has gone to Maine for the month of September.

J. H. Small & Sons have secured the contract for the decoration of the new Emerson Hotel in Baltimore on the occasion of its opening as well as for the permanent displays.

E. C. Mayberry, president of the Washington Florists' Club is spending a two-weeks' vacation traveling through Harrisburg, Carlisle and other Pennsylvania cities, accompanied by his wife and son.

Leapley & Meyers, 904 G Street, N. W., have on exhibition in their display window a model of an airship, the propeller of which moves around in a very realistic manner, drawing the attention of a large number of passers-by.

The continuous heavy rains in and around this city last week did considerable damage to outdoor stock, washing out the beds, etc. Prior to this, the drought caused quite a loss and it is a toss-up as to which was the most costly.

Robert Shock of M. Rice & Co., Philadelphia, was a visitor in Washington last week, coming here on his convention trip and opening up with quite a display in the Ebbitt House. Mr. Shock reports the prospects in the south for the coming season as exceptionally bright.

F. H. Kramer has in the window of his 916 F Street store a square glass tank containing goldfish, aquatic plants, etc., around which is a gilt frame inside of another frame of ebony, in imitation of a painting. Due to the size of the frame, none of the glass other than that representing the sheet over a picture, is noticeable.

Harry Gottenkenny, with Gude Bros., is spending his vacation in camp on the Rappahannock River in Virginia, and Hardy Pritchard with the same firm is traveling through the eastern states on his three weeks' of pleasure. O. A. C. Oehmler, secretary of the Florists' Club of Washington, has returned from a long sojourn at Colonial Beach, Va.

George Cooke has enlarged his store at Connecticut avenue and L streets, N. W., pushing back the rear partition and taking in a small store at the side.

J. Henry Small & Sons have been awarded the contract for the decorations at the New Willard Hotel and Gude Bros. for those at the Masonic Temple on the occasion of the visit of the Veiled Prophets to this city.

Visitors: Mr. Goudey, with H. A. Dreer, Philadelphia, Pa.; Arthur Robey, of the Virginia Nurseries Co., Purcellville, Va., and southern representative of W. A. Manda; Harry Papworth, New Orleans, La.

The Boston Co-operative Flower Market, Boston, Mass., held a very successful sale of stalls on September 2. The demand was a little better than last year, only about a dozen stalls being left unsold.

NEW CROP

MOORE'S SUPERB CYCLAMEN

(Williams' Giant Strain)

This famous strain of *Giganteum* varieties have large beautifully marbled leaves and stout flower stalks, throwing the enormous flowers of great substance and delightful fragrance well above the foliage, and cannot be excelled. Very profuse bloomers of striking beauty. Vigorous growers.

	100 Seed.	1000 Seed.
Giant White Swan, pure white.....	\$1.00	\$8.00
" Crimson Queen, very rich color.....	1.25	10.00
" Rosy Morn, Satin White (Crimson Eye).....	1.00	7.00
" Salmon Queen, pale pink.....	1.25	10.00
" Masterpiece, New, extra large flower, pink, red eye.....	1.50	12.00
" Fringed, white and rose.....	1.50	12.00
" Mixed, including the above and other fine sorts.....	1.00	9.00

MOORE SEED CO.
125 Market St., Philadelphia, Pa.
Please mention Horticulture when writing

PRIMULA MALACOIDES

"The Glorified Baby Primrose"

Offered for the first time in America. This variety will continue sending up a succession of blooming spikes (color, beautiful lilac), giving the appearance of a shower of blooms.

The individual flowers are much larger than *P. Forbesi* and infinitely more freely branched. It is highly recommended either for cut flowers or for plants, which sell readily on sight. Per trade pkt., \$1.00; ½ pkt., 60c.

Our Fall Bulb Catalogue of Quality Bulbs, etc., now ready.
A post card will fetch one by return mail.

Arthur T. Boddington, Seedsman, 342 W. 14th St., New York

RECENT PLANT IMMIGRANTS.

Reported by The Bureau of Plant Industry,
Dept. of Agriculture.

Asparagus Sp. (*Convallariaceae*.) 30953. Rhizomes from Tchoa, Tekes Valley, Thian Shan, Chinese Turkestan. Altitude 4300 feet. "A wild asparagus, of climbing habits, growing from eight to fifteen feet in length. Found between *Berberis* bushes. The young sprouts are eaten as a spring vegetable. Of value possibly as an ornamental plant in northern regions for several purposes; viz., as a bower plant, as living festoons of small dimensions, as a porch climber and as cut greens for decorative work." (Meyer's introduction.) For distribution later.

Elaeagnus Angustifolia. (*Elaeagnaceae*.) 30940. Cuttings of oleaster from near Yamatu, Thian Shan, Chinese Turkestan, altitude of 2,500 feet. "A variety of wild oleaster having a beautiful, shining, chocolate-brown bark. Found on a sandy waste along the Tekes River. Grows into a tall shrub or a small tree, of decided ornamental value for parks and gardens in the cooler sections of the United States." (Meyer's introduction.) For distribution later.

Lonicera Sp. (*Caprifoliaceae*.) 30936. Cuttings of a honeysuckle from the valley of the Chong Djighlan, Thian Shan, Chinese Turkestan. Altitude of 3,700 feet. "A shrubby honeysuckle; found in copses on peaty soil on rocky soil. Growing 4 to 6 feet in height. Young branches are of a pale yellow or white color and are attractive looking in winter. Of use probably as a park and garden shrub in northern United States." (Meyer's introduction.) For distribution later.

Lonicera Sp. (*Caprifoliaceae*.) 30937.

Cuttings of a honeysuckle from near Yengi-Malah, Thian Shan, Chinese Turkestan. Altitude of 8000 feet. "A shrubby honeysuckle, of tall, fastigate growth. A mutation. The only one seen among thousands of normally growing bushes. Of value as a shrub of rigid outlines along pathways, also as a background for flowering plants in cemeteries and in gardens where a certain formal and dignified spirit has to be preserved." (Meyer's introduction.) For distribution later.

PERSONAL.

We are glad to hear of the return of our friend Patrick O'Mara from his vacation across the sea and trust the outing and rest has fully restored his health and spirits.

W. E. Marshall, the New York seedsman, has returned from a three weeks' yacht cruise in Jamaica Bay and neighborhood. Mr. Wheeler of the same house has now taken his turn at a vacation in the same place and reports the fishing good.

Headquarters for

FALL BULBS

Send for Trade List

John Lewis Childs

Flowerfield - LONG ISLAND, N.Y.

For Fall Planting

Lilium Tenifolium, *Henryi*, *Hansonii*, *Wal-lacei* and *Davuricum*; *Elegans* vars., *Single* and *Double*; *Tigers*; *Japan Tree*; *Lilac*; *Delphinium formosum*; *Japan* and *German*; *Lilac*; *Daphne Cneorum*.

Fall list ready in August.

E. S. MILLER
Wading River, N. Y.

When your competitor cuts prices below the living line, you had better raise yours and give value for the money; because it won't be long before you will require a larger capital to supply your competitor's trade.

It's a good deal easier to get a fishhook in than it is to get it out; and so it's easier to reduce prices than it is to raise them in regard to flowers.

You will always find the low-priced man flourishing while the price lasts but when circumstances compel him to raise them, and eventually he must, his trade will find their way to the other fellow, just as sure as the Hollanders come in the spring. Way down deep in the American buyer's heart there is a sneaking dislike for a cut-priced man and a wholesome respect for the man they can't saw down in price. The reason is because a buyer never knows when he touches bottom in dealing with a cut-priced man and he is always afraid his neighbor is getting the same goods for less money. He is willing to pay as much but don't wish to pay more. No argument can down the fact that the man who maintains a decent price and delivers an article accordingly is bound to win out in the long run. Horse-shoe Brand bulbs are marketed at a profit—principally because we are not philanthropists as yet—but the profit is not larger in the aggregate than it should be, and not near as large in proportion to the investment as the grower makes. They are marketed on their merits and not on the price, and they have generally been found to be worth all and more than they cost. If you want real good bulbs—try them.



Ralph M. Ward & Co.

12 West Broadway
NEW YORK CITY

Not How Cheap
But How Good

*Cold Storage Giganteum ready
for immediate or future shipment.*

Bamboo Canes too.

Seed Trade

The Non-Warranty Clause.

The following communication has been sent to the members of the American Seed Trade Association by Secretary Kendel:

At the last Annual Convention of your Association the undersigned Committee was appointed to investigate and report on the question. Is it necessary for seedsmen to have the usual non-warranty clause printed on their stationery between the date line and signature in order to make such clause an effective condition of the contract of sale made by the correspondence between the seller-seedsmen and the buyer?

We beg to submit our report as follows:

From information received, we understand that the question arose from a decision of the Supreme Court of Illinois found in the case of *Summers vs. Hibbard*, 153 Ill. 102, and we briefly note the facts of that case. Hibbard made Summers an offer to buy certain sheet iron. Summers gave an unqualified acceptance of said offer on their stationery which carried on the top of the sheet above the date line, firm's name, etc., in small printed type the clause, "All sales subject to strikes and accidents." Summers failed to deliver and set up as a defense this clause, claiming it as a term of the contract. The Court held that the written terms of the contract were absolute, definite and conclusive and that the printed clause was antagonistic to the written terms and must therefore be discarded.

In the later Illinois case of *Anaconda Copper Mining Co. vs. Houston*, 107 Ill. App. 183, there was a printed clause at the top of the stationery and above the date line, etc., preceded, however, with shipping directions in typewriting. The Court held such clause a part of the contract, saying: "There being a written designation of the shipping route at the head of the letter sheet in close proximity to the printed condition * * * and there being no inconsistency between the written and printed parts of the contract * * * the acceptance of the order without objection * * * constituted an agreement to ship in accordance with * * * the printed clause."

The Court reviewed the *Summers* case, explaining the difference in facts of the two cases. It is also suggested that there would be no dispute if in the typewritten part of the letter a direct reference to the printed clause was made; and the Court gives this dictum:

"We are inclined to the opinion that without some such reference a printed condition should not be considered a part of the written contract where an absolute order is given in writing and accepted by the other party."

We have also considered other Illinois cases and there appears no divergence from the law as above stated.

Therefore, answering the query above propounded, so far as the decisions of Illinois are concerned, we are of the opinion that the seedsmen can print his disclaimer clause at the top, or at the bottom, or on the reverse side of the letter sheet, upon which he is making his contract of sale, and have same an effective condition of his contract, provided in the

written part of his letter direct reference to such clause as a part of the contract is made, as, for example, "subject to the above (or below, etc.) printed conditions we offer (or accept), etc."

We suggest that this method of placing the disclaimer clause at the top or bottom of the letter sheet, with direct reference thereto in the body of the typewritten letter, has an advantage over printing the clause between the date line and signature, inasmuch as not all correspondence of seedmen constitute offers or acceptance of prices or terms of sales, and the direct reference above advised distinctly comes within the ruling of the *Anaconda* case, above cited and many other decisions, and will avoid the possibly unfavorable judicial determination that the printed clause is antagonistic to the written terms and so void.

And as to the law in states other than Illinois, our investigations indicate that most Courts sustain, while some Courts do not establish the Illinois doctrine of exclusion of printed clauses outside of the date line and signature, unless referred to in the body of the letter, on the well known theory that a document must be read by its "four" or "eight corners." Yet we maintain our opinion above expressed and for these reasons:

First, the Courts might decide, under the facts of the particular case, (as in the *Summers* case), that the printed disclaimer clause was not contemplated by the parties as a condition of the contract.

Second, Even if the Courts held that the printed clause was a condition of the contract, yet it may be decided that the printed clause was antagonistic to the written terms and so void under a well established rule of law, because the written words propose to sell certain seeds carrying an implied warranty as true to type, etc., while the printed clause expressly robs the written words of any such force. Of course, all this is obviated by the direct reference in the written agreement to the printed clause.

Therefore we conclude by suggesting that the use of the disclaimer clause as advised provides greater security to the seedsmen and it certainly seems more frank and better business for the seedsmen to state his conditions in the direct, unambiguous and not at all difficult manner suggested.

Respectfully submitted,

CURTIS NYE SMITH, KIRBY B. WHITE,
SIMEON F. LEONARD.

Foreign Grass Seed Crops.

Advices from Europe bearing date of August 24th indicate that the crops are nearly all saved now and have reached the warehouses for cleaning and grading—with the exception of orchard grass and the rye grasses. Everything seems to be turning out disappointing as to quantity on account of the very hot, dry summer. It is feared that not only for this season (1911-12) but also the next (1912-13) the effects of the extraordinary heat and drought will be felt. As far as can be judged at present the fields sown last spring intended for 1912-13 crop will be lost entirely.

As for the quotations for this sea-

son 1911-12 there is at present great uneasiness and a general feeling that we shall see higher figures than last year on at least a few of the varieties. Those in a position to know say that not one variety thus far threshed and cleaned has given a satisfactory result as to yield. So far, yields are very small, and the seeds are unusually light—hence there is a greater loss than usual in the shape of light matter and immature seeds. But after these losses have been sustained, the resultant samples are of a nice bright color and they must all germinate very strongly—not having suffered in the least by wet weather while curing.

Bozeman, Mont.—The beginning of what is likely to develop into a new industry of considerable importance to this valley was started here this spring when the Jerome B. Rice Seed Company contracted with a number of Galatin valley farmers to devote a certain acreage to the raising of seed peas.

This year about 2000 acres were planted to peas and the result demonstrates that with the proper attention this crop can be made a very profitable one to the farmers of this valley.

From the experience this year the seed company is satisfied that this valley is well adapted to the raising of peas in large quantities and will provide for a larger acreage next year and should thorough trial prove that the climate and soil of the locality is as favorable for the crop as is confidently expected, a big cannery will be located here and the raising of peas will become one of the important industries of the country.—*Bozeman Chronicle*.

GIANT

English Cyclamen Seed—best strain, \$9.00 per 100. Pansy Seed—home grown, \$5.00 per oz. Mignonette Giant, greenhouse forcing, \$5.00 per oz., 1/2 oz. \$1.00.

SKIDELSKY & IRWIN CO.

1215 Betz Bldg. Philadelphia

CELERY PLANTS, \$2.00 PER 1000

Have several thousand celery plants that will do nicely for frames or greenhouses or for the South. Have also larger plants.

WARREN SHINN, Woodbury, N. J.

Burpee's Seeds
PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

SEPTEMBER STRAWBERRY PLANTS

Fall is by far the best time to set strawberry plants. Have thousands of them. Prices cheap. Remember I am the celery man. **WARREN SHINN, Woodbury, N. J.**

COLDWELL LAWN MOWERS

Hand—Horse—Motor

Known All Over the World

Catalogue on Request.

NEWBURGH, N. Y.

PEACH TREES

Remember I am the celery man. Can do equally as well with you on peach trees of fine caliber. Also on other stock and forcing asparagus roots.
WARREN SHINN, Woodbury, N. J.

MICHELL'S Colossal Mignonette

The seed we offer is greenhouse grown, picked from specimen spikes only, and from a strain which has no superior in this country.

Fresh seeds ready now

Trade Packet, 40c \$3.00 per oz.

WHOLESALE FALL CATALOGUE READY NOW

HENRY F. MICHELL CO.

518 MARKET STREET

PHILADELPHIA

PEAS, BEANS, RADISH } Write for Prices
and all Garden Seeds }

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

Wholesale
SEED GROWERS AND DEALERS

SEEDS, PLANTS, BULBS

All seasonable kinds of best
quality

Special prices on large lots

JAMES VICK'S SONS,

Seedsman

ROCHESTER N. Y.



Florists and Seedsman Sell Your Own Scratch or Poultry Food

We will make it for you under your own brand for
\$33.00 PER TON

Send to-day for sample 100 lb. bag, \$1.75. Mr. C. E. Jensen of Atlantic Co., N. J., on Oct. 27, 1910, writes as follows: - I want to state that your three grades of Poultry Food; Chick Starter, Developing Food and "Square Deal" Scratch or Poultry Food stands without an equal to day. They are perfect mixtures and sound in grain and a pleasure to handle.

J. BOLGIANO & SON,

Importers and Wholesalers. Established for 92 Years.

BALTIMORE, - MD.

CAULIFLOWER CABBAGE

MANGOLD, SWEDE, TURNIP

LILY OF THE VALLEY PIPS

HJALMAR HARTMANN & CO.
COPENHAGEN, DENMARK.

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Farquhar's Flower Seeds for The Florist

Write for our Wholesale
Catalogue

R. & J. FARQUHAR & CO.
Boston, Mass.

Established 1820

Thorburn's Bulbs

Wholesale Catalogue

NOW READY

Send for a Copy

Cold Storage Lily of the Valley Pips

HIGHEST GRADE

Cases of 1000 pips @ \$13.00 per case
Cases of 8000 pips @ 36.00 per case

J. M. THORBURN & CO.

33 Barclay Street

NEW YORK

BRIDGEMAN'S SEED WAREHOUSE RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

Sphagnum Moss

In Burlap Bales; per bale \$1.00, 6 bales
for \$5.00, 10 bales for \$8.00.

Larger Lots at Lower Prices.

The W. W. Barnard Co.

108-110 W. Kinzie St., CHICAGO

FINEST FLORISTS' SEEDS

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

CHOICE SEEDS

FOR PRESENT PLANTING

Stocks, Asters, Chinese Primulae
etc.

THOMAS J. GREY CO.

32 South Market Street, Boston, Mass

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Aldine 880. Aldine 881. Aldine 882.

SAMUEL MURRAY

**Kansas City, Mo.
913 Grand Ave.**

All Orders Given Prompt and Careful Attention



**WASHINGTON,
D. C.**

GUDE'S

The Far-Famed Flowers of
TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP
96 Yonge St., - - Toronto, Ont.

The Park Floral Co.

**J. A. VALENTINE
Pres.**

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.

Members Florists' Telegraph Assn.

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

IN NEW YORK.

What's the news from this village? Well, nothing specially, only that everlasting hopes are keeping green, hundreds of thousands have returned from their vacation worlds and paradises to "Home, Sweet Homes" here during the past week, and in the mighty armies of tired out humanity emerging from ferries and railroad depots we can (and we hope not in vain) conjure up a not far distant demand for nice little house plants which the good wife or sister considers essential to the first reception to old friends.

In this returning homewards of the great masses there is more than a suggestiveness of get-readiness which the wise retailer will not fail to understand and it is the one who displays suitable, dependable plants at reasonable prices with intelligent instruc-

STEAMER DEPARTURES

Allan.

Numidian, Boston-Glasgow..Sept. 15

American.

St. Paul, N. Y.-Southampton..Sept. 16

Anchor.

Caledonia, N. Y.-Glasgow...Sept. 16

Atlantic Transport.

Minnehaha, N. Y.-London...Sept. 16

Cunard.

Mauretania, N. Y.-Liverpool..Sept. 13

Franconia, Boston-Liverpool..Sept. 19

Lusitania, N. Y.-Liverpool...Sept. 20

Hamburg-American.

Amerika, N. Y.-Hamburg...Sept. 12

Bluecher, N. Y.-Hamburg...Sept. 19

Holland-America.

Rotterdam, N. Y.-Rotterdam..Sept. 12

Ryndam, N. Y.-Rotterdam...Sept. 19

Leyland.

Devonian, Boston-Liverpool..Sept. 16

North German Lloyd.

Kr. Wilhelm, N. Y.-Bremen..Sept. 12

Kron. Cecilie, N. Y.-Bremen..Sept. 19

Red Star.

Vaderland, N. Y.-Antwerp...Sept. 16

White Star.

Arabia, Boston-Liverpool...Sept. 12

Cedric, N. Y.-Liverpool...Sept. 14

Majestic, N. Y.-Southampton..Sept. 16

tions as to their care that will succeed in catching, as we used to say at school, the early customer, and in the first good treatment towards a customer there may exist a life-long friend or an implacable, virulent enemy, so be wary and be generous. Honesty is not dead but a living comrade to a clear conscience.

As with plants 'tis with cut flowers and all appertaining to our beloved business in horticulture. Times and places will occur where depraved tastes or total indifference may offer outlets for surplus or inferior stocks, but the safer wheel of fortune rides on what is best.

Labour Day in this city of the world presented an unprecedented array of beauty's strength and prosperity. Many, many thousands of men and women paraded down Fifth Avenue and we are sorry to note that among the whole contingent of marchers and onlookers, comprising nearly one-quarter million people, there were not more than one hundred dollars worth of flowers in ev-

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

NEW YORK

Orders for Steamer, Theatre, Hotel, or Residence Carefully Filled.

Wm. H. LONG

412 Columbus Ave.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph and Cable address, Dardspier

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points, New York City, New Jersey, etc. At Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

BUFFALO

S. A. ANDERSON

440 MAIN STREET

Special Deliveries Niagara Falls and Lockport

"THE HOME OF FLOWERS"

The largest cut flower store in America. Orders for the TWIN CITIES and for all Northwestern points given prompt attention.

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your retail orders to

EDWARD MACMULKIN
194 Boylston Street, Boston

LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

idence. It seemed to be all wrong to us that a little suggestive missionary work is not done by florists for these gigantic outpourings of humanity's desires for after all is said and done the future prosperity of floriculture depends on the common people. Those who fly away to Europe leaving unpaid bills behind are but the will o' the wisps which lead ambition into swamps.

PERSONAL.

George K. Uno has assumed the management of the California Floral Supply Co., 1725 O'Farrell street, San Francisco, Calif.

E. J. Reynolds has accepted a position with the Alpha Floral Co. of Chicago, Ill. He was formerly with the Art Floral Co. of San Francisco, Calif.

Boston visitors.—George S. Hampton, Jr., representing H. F. Michell Co., Phila., Pa.; Mr. Goldenberg, representing R. M. Ward & Co., New York, N. Y.; F. R. Pierson, Tarrytown, N. Y.; W. A. Manda, South Orange, N. J.; Mr. Jurgens, Newport, R. I.; Julius Roehrs, Jr., Rutherford, N. J.

NEW FLOWER STORES.

Cincinnati, O.—H. J. Moorman, 807 State avenue.

Fort Worth, Texas.—J. E. McAdam, Houston near Eighth street.

Chicago, Ill.—J. C. Bruckner, St. Lawrence and Sixty-seventh street.

Pasadena, Cal.—Wolfskill & Jaeger, 13 East Colorado street, to be known as "The Orchid."

NEWS NOTES.

Chicago, Ill.—F. O. Frantzen now occupies two stores, 1476 and 1478 Summerdale avenue.

New York, N. Y.—Louis Anargeros has been taken into partnership with C. Drakos, retail florist, at 2631 Broadway.

Port Chester, N. Y.—The floral business known as the Rosary has been purchased by Fred Dittmar of Belle Haven.

THE Florists' Supply House of America

H. BAYERSDORFER & CO.
1129 Arch St., Philadelphia, Pa.

**NEW ENGLAND
FLOWER DELIVERIES**

Send flower orders for delivery in Boston and all New England points to

THOS. F. GALVIN
124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall schools. **TALBY, Wellesley, Mass.**
Tel. Wellesley 44-1 and 2 Night 44-3

CHICAGO NOTES.

Greenhouse Fire.

The third florist to suffer loss by fire very recently was August Jurgens, 2217 Herndon street, whose place was badly injured August 30th. Mr. Jurgens, who has been here 20 years, was aroused at 11 P. M. by his daughter, who had awakened to find the house full of smoke. So dense was the smoke that it was with difficulty that the five small children and their parents made their escape. The five greenhouses were badly damaged, about 25 feet being burned from each, and the adjoining shed containing an automobile, tools, etc., is a complete loss. The horses were saved and fortunately the most of the early bulbs were planted and the Holland bulbs arrived later. There was no insurance and Mr. Jurgens estimates his loss between three and five thousand dollars. Work has already begun on the houses which will be put in shape for winter use and at some future date a new range will be built. The house, which was connected with the greenhouses, is also badly damaged by fire and water.

Wedding Bells.

Saturday, August 26th, Allie Zeck and Emma Pagels were quietly married and slipped away to Milwaukee without announcing the happy event to their many friends. The groom is the son of John Zeck of Zeck & Mann, and has been associated with them in the wholesale commission business for some time. He is an active member of the Chicago Florists' Club and a leader in the bowling games, and has the best wishes of the entire trade. Mr. and Mrs. Zeck have begun house-keeping at 3630 N. Leavitt street.

Saturday, September 2nd, Emily Blewitt, eldest daughter of H. C. Blewitt of Desplaines, Ill., and John Prickett of the Desplaines Floral Co., were married at Desplaines. Both parties are well known and are receiving congratulations on the happy culmination of a long engagement.

At the same time occurred the marriage of Arthur, second son of H. C. Blewitt, and Grace Schaffer. The large house of the Desplaines Floral Co. will be the home of the two couples.

Robert J. Windler of St. Louis, Mo., and Amy Zender of Chicago were married September 5th at the home of the bride's parents at Rogers Park. The groom is a well known retailer at St. Louis and president-elect of the St. Louis Florists' Club, and the bride is daughter of Adam Zender, one of the old time florists on Park Ridge avenue, Chicago. Mr. and Mrs. Windler will reside in St. Louis, where a hearty reception awaits them.

News Items.

Among those who enjoy fall vacations is Charles Zapp, who takes two weeks in Michigan.

All the wholesale florists close their doors Labor Day as near normal orders would permit.

A Henderson & Co. are now located at Room 129, Atlas Bldg., and business is very encouraging with the new firm.

Charles Erne, manager of the flower department of the E. H. Hunt Co. will embark in the retail business about the middle of September. Erne has not yet fully decided on

his location, but expects that it will be in the down-town section.

Trade Notes.

The Geo. Wittbold Co. have just received another lot of Holland bulbs, a little later than usual on account of the cholera quarantine, but the stock opens up in fine shape. Lilies, of which they will grow 15,000 this year, are being planted so as to give continuous crop all the year. This year Mr. Wittbold cut his first gladiolus April 18th and will have them till frost comes.

Visitors—J. H. Hill, Richmond, Ind.; Mrs. Lovell, Laurel, Miss.; J. W. Moran, Maplewood Greenhouses, Bloomington, Ill.; Mr. Elliott, Jr., Brighton, Mass.; Henry Dittmann, Newcastle, Ind.; Alfred Pahud, Indianapolis, Ind.

BALTIMORE NOTES.

Mr. and Mrs. Robert Halliday are spending their vacation at Tillman's Island, Md.

Lehr Bros., of Brooklyn, Md., have planted their new rose house which has just been completed to Maryland, Ivory and Killarney.

The "Fernery" on North Charles street, near the Union Station, will be reopened by the C. H. Wagner Company after necessary alterations and repairs have been made to the store. Charles H. Wagner, formerly manager of the North Charles street store of Samuel Feast & Sons, will be in charge.

Richard Vincent, Jr., & Sons will give their annual display of dahlias and cannas in connection with the Harvest Home Festival of the Ebenezer Methodist Episcopal Church on September 26, 27, 28 and 29. A special train for Cowenton will leave Camden Station each day.

The members of the Peninsula Horticultural Society were the guests of J. G. Harrison & Sons at Berlin, Md., on the occasion of their annual summer meeting held last month. Upon the completion of their business, the delegates made a trip to Ocean City, a near-by seaside resort. The Harrison nurseries cover about 2,000 acres and it was from here that the much admired peaches distributed at the convention, were grown.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edw. MacMulkin, 194 Boylston St.

Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.

Buffalo, N. Y.—Palmer's 304 Main St.
Buffalo, N. Y.—S. A. Adders, 430 Main St.

Chicago—William J. Smyth, Michigan Ave. and 31st St.

Denver, Col.—Park Floral Co., 1643 B'way.

Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.

Kansas City, Mo.—Samuel Murray, 912 Grand Ave.

Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.

Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.

New York—David Clarke's Sons, 2139-2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—W. H. Long, 412 Columbus Ave.

New York—Young & Nugent, 42 W. 28th St.

New York—Dards, N. E. cor. 44th St. and Madison Ave.

St. Paul, Minn.—Holm & Olson.

Toronto, Can.—J. H. Dunlop, 96 Yonge St.

Washington, D. C.—Gude Bros., 1214 F St.

Wellesley, Mass.—Talby.

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 Firsts, per 100 - - - \$1.00 to \$1.50
 For Design Work, per 100 - - \$0 75

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33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

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Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	BOSTON Sept. 7	CHICAGO Sept. 5	ST. LOUIS Sept. 5	PHILA. Sept. 5
Amer. Beauty, Fancy and Special..	15.00 to 20.00	20.00 to 25.00	15.00 to 20.00	20.00 to 25.00
Extra.....	10.00 to 15.00	15.00 to 20.00	10.00 to 15.00	15.00 to 20.00
No. 1.....	6.00 to 10.00	10.00 to 15.00	6.00 to 10.00	10.00 to 15.00
Lower grades.....	2.00 to 4.00	6.00 to 8.00	3.00 to 4.00	5.00 to 6.00
Richmond, Chateaux, Fancy & Spl..	3.00 to 5.00	0.00 to 10.00	4.00 to 6.00	5.00 to 6.00
Lower grades.....	.50 to 2.00	3.00 to 5.00	1.00 to 2.00	2.00 to 3.00
Killarney, Maryland, Fan. & Spl..	2.00 to 5.00	0.00 to 10.00	4.00 to 6.00	5.00 to 6.00
Lower grades.....	.50 to 2.00	3.00 to 5.00	1.00 to 2.00	2.00 to 3.00
Bride, 'Maid,.....	.50 to 4.00	3.00 to 8.00	2.00 to 5.00	3.00 to 6.00
Kaiserin, Carnot, Taft.....	2.00 to 6.00	5.00 to 8.00	2.00 to 6.00	3.00 to 6.00
CARNATIONS, First Quality..	1.00 to 1.50	1.00 to 2.00	2.00 to 3.00	2.00 to 3.00
Ordinary.....	.50 to .75	.50 to 1.00	.50 to 1.00	1.00 to 1.50
MISCELLANEOUS				
Cattleyas.....	50.00 to 75.00	30.00 to 50.00	..... to 60.00	..... to 60.00
Lilies, Longiflorum.....	4.00 to 8.00	5.00 to 8.00	8.00 to 10.00	8.00 to 12.00
Lily of the Valley.....	1.00 to 4.00	2.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Chrysanthemums.....	..... to 12.00	..... to 12.00	..... to 12.00	12.00 to 18.00
Gladioli.....	.50 to 2.00	2.00 to 6.00	2.00 to 3.00	3.00 to 5.00
Asters.....	.10 to 1.00	1.00 to 3.00	1.00 to 3.00	1.00 to 2.00
Daisies.....	.50 to .75	.50 to 1.00	..... to 1.00	..... to 1.00
Dahlias.....	..... to 2.00	..... to 4.00	1.50 to 2.00	1.50 to 2.00
Sweet Peas.....	.15 to .50	.50 to 1.00	..... to 1.00	.50 to .75
Gardenias.....	10.00 to 25.00	..... to 25.00	..... to 25.00	..... to 25.00
Adiantum.....	1.00 to 1.50	1.00 to 1.50	1.00 to 1.25	1.00 to 1.50
Smilax.....	12.00 to 15.00	15.00 to 18.00	12.50 to 15.00	12.00 to 15.00
Asparagus Plumosus strig. (100) to 50.00	50.00 to 60.00	35.00 to 50.00	35.00 to 50.00
" " & Sreen (100 bchs)	16.00 to 15.00	25.00 to 40.00	10.00 to 30.00	35.00 to 50.00

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All kinds of Florist Supplies.

New crop Dagger and Fancy Ferns, \$1.75 per 1000. Green and Bronze Galax, 20c. per 1000; by the case, \$7.50. Boxwood, 50-lb. cwt., \$7.50; by the lb., 25c. Laurel Wreaths, 10-inch, \$1.75 per doz.; 12-inch, \$2.25 per doz.; 14-inch, \$3.00 per doz.; 16-inch, \$4.50 per doz. Laurel Trimming, 4 and 6c. per yd.



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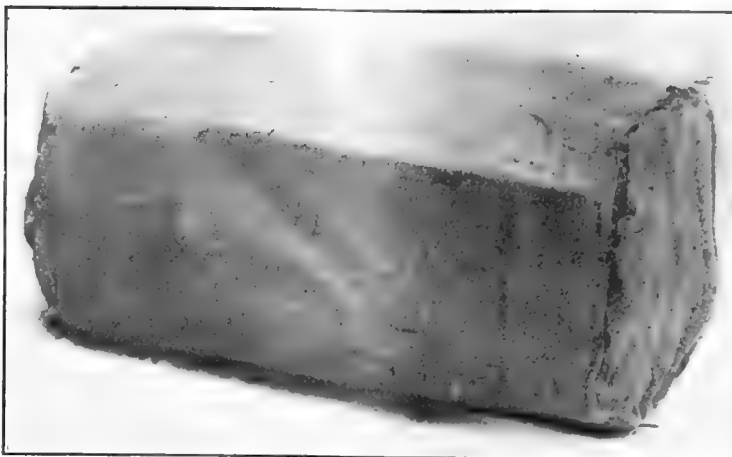
Having our own men in Jersey who gather and bale the moss, we are in a position to make the following extraordinary low prices.

Per 7 bbl. bale, \$2.25; 10 bale lots at \$2.00 each.

Per 10 bbl. bale, \$3.50; 10 bale lots at \$3.15 each.

This special offer is good only for a limited time. It is therefore important that orders be placed at once; even if you do anticipate your wants ahead of actual necessity.

Each bale is covered with burlap, thus insuring cleanliness around the store and no waste.



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See our advertisement in last week's Horticulture.

We still have some fine plants of most of the varieties to offer.

Distributing Agents for the great new roses for 1912.

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1212 New York Ave.

Flower Market Reports.

BOSTON Business keeps a-moving in this market and is apparently gaining although the gain is slow. The present week is a decided improvement over the last in volume of business done and good reports are received from the buying trade throughout New England, but the heavy increase in cut of some staples hinders any general advance in values and the accumulated stock would give the impression that trade has fallen off, which, happily, is not so. Quality in general shows a very gratifying gain. This applies to asters, especially, which are better than at any previous time this year but are hopelessly over-loaded and to roses which in the newer sorts such as Hillingdon, Bulgarie and Radiance are rapidly progressing towards a commanding position in the daily demand. All other staple stock is in normal supply and demand.

The week ending the **BUFFALO** month of August showed a slight improvement in the market. There was plenty of stock and of good quality. Asters were at their best, also gladioli and other stock. The demand has been a little better than heretofore though there are too many of the short ordinary quality of asters which are hard to dispose of at any price. Beauties continue to be good and have sold satisfactorily, also choice Maryland, Kaiserin and Pres. Carnot. Fall weddings are noticeable and lily of the valley has had demand, also white roses

WHOLESALE FLOWER MARKETS.—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	CINCINNATI Aug. 15	DETROIT Sept. 4	BUFFALO Aug. 29	PITTSBURG Sept. 5
Am. Beauty, Fan. and Sp.	15.00 to 20.00	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00
Extra	10.00 to 15.00	15.00 to 20.00	10.00 to 15.00	10.00 to 15.00
No. 1	8.00 to 10.00	10.00 to 15.00	6.00 to 8.00	6.00 to 8.00
Lower grades	3.00 to 8.00	3.00 to 8.00	2.00 to 4.00	2.00 to 4.00
Richmond, Chateaus, Fan. & Spl.	5.00 to 8.00	4.00 to 6.00	5.00 to 6.00	5.00 to 6.00
Lower Grades	3.00 to 4.00	3.00 to 4.00	2.00 to 3.00	2.00 to 3.00
Killarney, Maryland, Fan. & Spl.	4.00 to 5.00	4.00 to 6.00	5.00 to 6.00	5.00 to 6.00
Lower Grades	3.00 to 4.00	3.00 to 4.00	2.00 to 3.00	2.00 to 3.00
Bride, 'Maid,	2.00 to 4.00	2.00 to 4.00	3.00 to 5.00	3.00 to 5.00
Kaiserin, Carnot, Taft	2.00 to 5.00	4.00 to 8.00	3.00 to 6.00	2.00 to 5.00
CARNATIONS, First Quality	.50 to 2.00	..... to	1.50 to 2.00	1.00 to 1.50
Ordinary	..... to	1.00 to 2.00	1.00 to 1.50	..... to
MISCELLANEOUS				
Cattleyas	..... to .....	..... to .....	..... to 75.00	..... to 50.00
Lilies, Longidorum	10.00 to 12.00	4.00 to 6.00	10.00 to 12.00	10.00 to 12.00
Lily of the Valley	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Chrysanthemums	..... to .....	..... to .....	..... to .....	..... to
Gladioli	1.00 to 3.00	3.00 to 4.00	2.00 to 4.00	1.00 to 4.00
Asters	.50 to 3.00	..... to .....	.50 to 2.00	.50 to 3.00
Daisies	..... to .....	..... to .....	..... to .....	..... to .50
Dahlias	..... to .....	..... to .....	..... to .....	..... to
Sweet Peas	..... to .....	..... to .....	.20 to .30	.15 to .25
Gardenias	..... to .....	..... to .....	..... to .....	..... to
Adiantum	..... to 1.00	1.00 to 1.50	1.00 to 1.50	1.00 to 1.25
Smilax	..... to 12.50	..... to 15.00	8.00 to 10.00	..... to 15.00
Asparagus Plumosus, strings (100)	..... to 40.00	25.00 to 35.00	40.00 to 50.00	..... to 60.00
" " & Spreng. (100 bchs.)	..... to 25.00	25.00 to 35.00	25.00 to 40.00	..... to 40.00

and Perles—the latter being very fine from new crops. Richmonds are coming to the front but the warm weather has a tendency to check the sales to some extent. Golden Glow chrysanthemums are seen more in quantity but too early for the trade. A good supply of greens in adiantum, Asparagus plumosus and Sprengeri is had.

There is nothing strikingly different in the condition of the cut flower market from that of the past four weeks except that the glut is a thing of the past. First class stock moves more slowly some days than is satisfactory to the grower, but on the whole the past week has seen a

good flowers go to waste. There is generally too much stock of a lower grade to be used to advantage and it is here that the loss occurs. There has been a noticeable increase in shipping orders which has helped to use up the best stock. American Beauties are particularly in demand for this as they stand shipping better now than the softer roses and all Beauties were used up promptly this week. Asters are still leading in quantity. Some very fine blooms are in the market and when there is so much to choose from the small ones are sure to be left unsold. Gladioli are not coming in in such overwhelming

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NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Sept. 2 1911		First Half of Week beginning Sept. 4 1911	
American Beauty, Fancy and Special.....	8.00	to 20.00	8.00	to 20.00
" " Extra.....	6.00	to 8.00	6.00	to 8.00
" " No. 1.....	2.00	to 4.00	2.00	to 4.00
" " Lower Grades.....	.50	to 1.00	....	to .50
Richmond, Chateaux, Extra and Special.....	2.00	to 4.00	2.30	to 4.00
" Lower Grades.....	.50	to 1.00	.50	to 1.00
Killarney, My Maryland, Extra and Special.....	1.00	to 4.00	1.00	to 4.00
" Lower Grades.....	.15	to .50	.15	to .50
Brkde, 'Maid.....	.50	to 3.00	.50	to 3.00
Kaiserin, Carnot, Taft.....	2.00	to 6.00	1.00	to 6.00
Carnations, First Quality.....	1.00	to 1.50	1.00	to 1.50
" Ordinary.....	.50	to .75	.50	to .75

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Flower Market Reports

(Continued from page 377)

ing quantities as formerly. Carnations are daily gaining in length of stem and size of bloom. The miscellaneous stock this week includes cosmos, the first dahlias, a few sweet peas, celosia, golden rod, etc. Some very good lily of the valley is now offered.

Most everybody is on

DETROIT deck again and we hope the time is not long be-

fore we all are hustling again. Considering the many fall weddings in view this wish is quite certain of fulfillment. The quality of flowers, especially roses, is greatly improved over two weeks ago but prices remain about the same. Gladioli are giving out in quality but are heavy in supply. This was a good year for amateurs in asters. They brought the best to the market and therefore found ready sales for them in stores.

The market keeps

NEW YORK oh! so sluggish with

a gradually increasing amount of stock which becomes more difficult to move. Prices remain in almost every instance the same as those quoted last week, the only difference being a larger variety to choose from. There are numerous pretty things to be had that would surely tend to coax were the customers there to see or the passerby disposed to buy, but the rule is to reef the sail and go close to the wind—and the only wind is expletive hot air. For the matter of five dollars one can get an immense showing of gladioli, hydrangea, lilies and other very showy and useful outdoor flowers and as for roses—well, it just depends on what you want them for.

Storekeepers are

PHILADELPHIA beginning to fix up their places

now—making the interiors attractive—paying some attention to their window displays, and carrying more stock on hand. For some time back it has been a case of keeping little if anything on hand, and running around to the wholesalers whenever a little order came in. But this is now changed for the better, and trading from now on will be more satisfactory in every way. The present is the first week of the dahlia season, and while they reach us on a "no demand" market their advent is a diversion and gives an air of novelty to the situation. So far, the stock is as a rule short-stemmed. Among the principal varieties seen around are White Swan,

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Wholesale Florists

383-387 ELLICOTT ST.

BUFFALO, N. Y.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Sept. 2 1911		First Half of Week beginning Sept. 4 1911	
Cattleyas	50.00	to 75.00	50.00	to 75.00
Lilies, Longiflorum	2.00	to 4.00	2.00	to 4.00
Lily of the Valley	1.00	to 2.00	1.00	to 2.00
Chrysanthemums.....	.....	.....	8.00	to 12.00
Gladioli.....	.25	to 1.00	.35	to 1.00
Asters.....	.15	to 1.00	.15	to 1.00
Daisies.....	.10	to .25	10	to .25
Dahlias.....	.....	.....	.....	.....
Sweet Peas (per 100 bunches)	1.00	to 3.00	1.00	to 3.00
Gardenias	15.00	to 20.00	15.00	to 20.00
Adiantum.....	.50	to .75	.50	to .75
Smilax	5.00	to 8.00	5.00	to 8.00
Asparagus Plumosus, strings	10.00	to 35.00	.....	35.00
" " & Spreng. (100 bchs).....	10.00	to 20.00	10.00	to 20.00

Arabella, Lyndhuist, Mrs. Jones, Kriemhilde, Sylvia and Storm King. Asters continue very good and are the mainstay where good stock is wanted in quantity. Carnations are getting a little better; but they are still far from occupying an important place in the market. There are some pretty good American Beauty roses arriving from local sources which are all right except in color. In the latter respect the Eastern grown stock is still much brighter. Mrs. Aaron Ward and Prince of Bulgaria are pleasing additions to the regular list of roses, and seem to meet with good sale. Lily of the valley and longiflorum lilies are in fair demand and of excellent quality. There is plenty of both. The receipts from the gladioli farms have slackened up very considerably and we do not look to have these with us much longer. Orchids are still very scarce. Tritomas are in evidence but there is not much demand for these as yet. Their turn will come later. Greens very slow.

ST. LOUIS

With the two dull months gone the local trade is looking for more steady trade and they surely need it as the last two months have been mighty dull with them. The wholesalers are looking for a better market from now on as stock is coming in of better quality. The market is in about the same condition as the week previous as to stock, prices and demand. Only the very best quality of roses finds any demand. Beauties are plentiful. There is plenty of asparagus and ferns to be had at usual prices.

The sale of stalls of the Boston Flower Exchange, held September 7, was the most successful in the history of the market, almost every stall being sold, and prices ruled the high on record. This market is receiving an abundance of almost every kind of stock but demand is light.

ST. LOUIS NOTES.

Mrs. C. A. Kuehn with her two children has returned from her summer trip north, visiting Detroit and Milwaukee.

C. C. Sanders' place on Clara avenue is nearly completed, since the new building collapsed a few weeks ago. They expect to open the new store about Sept. 15th.

Miss M. S. Newman has returned from her summer trip East and has again opened her store, which was closed during July and August.

L. Zimmer, the Biddle Market florist, has returned after a two months' trip to his home in Hamburg. His store was closed during his absence.

J. F. Windt, for many years a retail florist on Bayard avenue, has sold his business to the firm of Windt & Heitmann, who will run a general retail business at the old stand. Mr. Windt, who is well on in years and well off in the world's goods, will retire.

The second Sunday opening of Shaw's Garden to the public was on Sept. 3. The day was most beautiful and over 12,000 people took advantage of the opportunity. Supt. Irish was all smiles. A large force of students took the visitors in groups and showed them through the garden. The will of the late Henry Shaw reads that the public is only to be admitted on two Sundays in each year.

J. J. Beneke says that the bowlers among the florists are beginning to look to the opening of the season this week. Messrs. Beneke and Ryan will bowl in the Royal Arcanum league, Carl Beyer with the Western Rowing Club league and Messrs. Kuehn, Schriever and Wibling with the Manufacturers' league, and it is possible that these six will form a team after the regular season and compete for prizes at the Chicago convention next August.

Visitor this week: A. Cowan, representing the Geo. Wittbold Co., Chicago.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
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AMARYLLIS

Robert P. Ker & Sons, Liverpool, England.
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AMPELOPSIS

Ampelopsis Veitchii, 4-in., 20c each; \$2.00 per doz.
Ampelopsis Engelmannii, 4-in., 20c each; \$2.00 per doz.
The Geo. Wittbold Co.,
Edgebrook, Chicago, Ill.

APPLE STOCKS

Wanted: 2,000 one-year, American-grown No. 1 apple stocks. Give price 1912 delivery. C. A. Perley, Pansy Specialist, Winthrop, Me.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
For page see List of Advertisers.
Godfrey Aschmann, 1012 Ontario St., Philadelphia.
For page see List of Advertisers.
Araucaria exelsa, 5 in., 4 tiers, 75c each; \$2.00 per doz.
The Geo. Wittbold Co.,
Edgebrook, Chicago, Ill.

ASPARAGUS

A. Leuthy & Co., Roslindale, Mass.
Asparagus Plumosus Nanus.
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A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.
Asparagus scandens deflexus, 4-in., \$1.50 per doz.
Asparagus Sprengeri, 4-in., \$1.50 per doz., \$10.00 per 100, \$80.00 per 1000. 500 at 1000 rate.
Asparagus plumosus, 2-in., \$3.00 per 100.
The Geo. Wittbold Co.,
Edgebrook, Chicago, Ill.
1000 **Asparagus Sprengeri**, good strong one year plants, 320 Beale St., Wollaston, Mass.
Asparagus Sprengeri and Plumosus, fine extra strong healthy stock from 3 in. pots, \$4.00 per 100, cash. No better stock ever offered for the money. Plant now to cut from. O. B. Kenrick, 52 Alexander Ave., Belmont, Mass.

ASTER SEED

Elmer D. Smith, Adrian, Mich.
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AZALEAS

P. Ouwerkerk, Hoboken, N. J.
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A. Leuthy & Co., Roslindale, Mass.
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Loechner & Co., New York, N. Y.
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BAY TREES

A. Leuthy & Co., Roslindale, Mass.
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Bobblink & Atkins, Rutherford, N. J.
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Bay Trees and Box Trees, all sizes
Write for special List
Julius Roehrs Co., - - Rutherford, N. J.

BEGONIAS

A. Leuthy & Co., Roslindale, Mass.
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Thomas Roland, Nahant, Mass.
Lorraine Begonias
For page see List of Advertisers

BERBERIS THUNBERGII

W. W. Hunt & Co., Hartford, Conn.

BERRIED PLANTS.

Jerusalem cherries, field grown, 4-in., \$10.00 per 100.
Christmas peppers, 4-in., extra fine, \$10.00 per 100; 5-in., \$2.00 per doz.
The Geo. Wittbold Co.,
Edgebrook, Chicago, Ill.

BOILERS

Kroeschell Bros. Co., 466 Erie St., Chicago.
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BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.
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A. Leuthy & Co., Roslindale, Mass.
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Julius Roehrs Co., Rutherford, N. J.
Box Trees all sizes. Ask for special list.

BONES—CUT FLOWER—FOLDING

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.
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J. M. Thorburn & Co., 33 Barclay St., N. Y.
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Rickards Bros., 37 East 19th St., New York.
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T. J. Grey & Co., 32 and 33 So. Market St., Boston.
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Ralph M. Ward & Co., 12 W. Broadway, New York.
Horseshoe Brand.
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John Lewis Childs, Flowerfield, L. I.
Fall Bulbs.
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The W. W. Barnard Co., Chicago, Ill.
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Fottler, Flske, Rawson Co., Boston, Mass.
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E. S. Miller, Wading River, N. Y.
Bulbs and Roots for Fall Planting.
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CARNATIONS

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S. S. Pennock-Meehan Co., Phila., Pa.
Field Grown Carnation Plants.
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Wood Bros., Fishkill, N. Y.
Field Grown Plants
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Wm. McRoberts, Waverly, Mass.
Field Grown Plants.
Carnation Plants, Field-grown, Enchantress, white and pink Lawson, \$5.00 per 100. Cash. M. J. Schaaf, Danville, N. Y.
Field Grown Carnation Plants—1200 Fair Maid, 500 Queen, 500 Harlowarden, 500 Victory, 350 Enchantress, \$7.00 per 100. J. H. Playden, Andover, Mass.
Surplus field carnation plants, strong and healthy. 300 May Day, 300 Winona, \$5.00 per 100. Cash please. C. H. Jenkins, Cumberland Center, Me.

CARNATIONS—Continued

Kretschmar Bros., West Nyack, N. Y.
For page see List of Advertisers.
I have a surplus of 100 Pink Enchantress at 6c; and 200 Beacon, 150 Harlowarden, 100 Winsor at 5c. Strong, clean stock.
G. S. RAMSBURG, Somersworth, N. H.
Field grown carnations, strong plants, Winsor, White Perfection, Queen, Harry Penn, Bountiful, \$6.00 per 100. Cash. Chas. H. Green, Spencer, Mass.
FIELD GROWN CARNATIONS—White Enchantress, Fair Maid, Harry Penn, Lawson, Winsor, Queen, Beacon. Thomas Capers, Wellesley Hills, Mass.

Carnations. Large strong healthy plants. Enchantress, Rose, Perfection, Harlowarden, \$5.00 hundred. Boston Market, Maid, \$4.00. Arno Chase, Cumberland Centre, Maine.

FIELD GROWN CARNATION PLANTS.
Mrs. C. W. Ward, \$8.00 per hundred; \$70.00 per thousand. May Day, \$6.00 per hundred. Absolutely clean, healthy plants. Pleasant View Gardens, North Tewksbury, Mass.; address Frank P. Putnam, Lowell, Mass.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CHRYSANTHEMUMS

Elmer D. Smith, Adrian, Mich.
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Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.
Chrysanthemums, rooted cuttings, Monrovia, Polly Rose, \$12.00 per 100. Violets, Princess of Wales, \$6.00 per 100; \$50.00 per 1000. Chas. Lenker, Freeport, L. I., N. Y.

CHRYSANTHEMUM CANES

Wm. Elliott & Sons, New York, N. Y.
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CINERARIAS

Cinerarias, best strain dwarf, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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CROTONS

Crotons, 2½-in., \$1.00 per doz.; 3-in., \$1.50 per doz; 4-in., 25c each, \$3.00 per doz.
The Geo. Wittbold Co.,
Edgebrook, Chicago, Ill.

CYCLAMENS

Cyclamen—Best varieties in different colors, 3 inch pots, strong plants, \$10.00 per 100, \$80.00 per 1000. Julius Roehrs Company, Rutherford, N. J.

DAHLIAS

Herbert, Acto, N. J.
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Double Daisies (Bellis), mixed, nice plants, \$1.25 per 500; \$2.00 per 1000. M. B. Saunders Co., 25 Burnett St., Providence, R. I.
R. Vincent, Jr. & Sons Co., White Marsh, Md.
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Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.
Dahlias, divided roots, from 1 to 3 eyes to the piece. Send for list and get the latest varieties. W. P. LOTHROP, Brockton Dahlia Farm, E. Bridgewater, Mass.

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DAHLIAS—Continued**DAHLIAS NEW FOR 1911**

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williams-town Junction, N. J., Post Office, Berlin, N. J.

DECORATIVE PLANTS

W. W. Edgar Co., Waverly, Mass.
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A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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John Scott, Brooklyn, N. Y.
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Geo. Wittbold Co., Edgebrook, Chicago, Ill.

DRACAENAS

Dracaena fragrans, 2 1/2 in., \$1.50 per doz.; 3 in., \$2.00 per doz.; 4 in., \$2.50 per doz.; 5 in., \$5.00 per doz.

Dracaena indivisa, 2 in., \$3.00 per 100, \$25.00 per 1000; 7 in., 2 1/2 to 3 1/2 in., \$1.25 each, \$15.00 per doz.

Dracaena Massangeana, 5 in., \$1.25 each; 6 in., \$1.50 each.

The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

EVERGREENS

New England Nurseries, Bedford, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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John Scott, Brooklyn, N. Y.
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Frank Oechslein, 4911 Quincy Street, Chicago.

Ferns for Dishes.
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Robert Craig Co., Philadelphia, Pa.
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F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
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Joseph Heacock, Wyncote, Pa.
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The George Wittbold Co., Chicago, Ill.

W. W. Edgar Co., Waverly, Mass.
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Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. E. Anderson, Fern Specialist, Shot Hills, N.J.

Boston Ferns 6-inch pots 45c each, \$10.00 per 100; Whitman Ferns 4 inch, 20c each, \$15.00 per 100; 5 in. 25c each, \$25.00 per 100; 6 inch, 45c each, \$45.00 per 100; 7 inch, 60c each, \$55.00 per 100; 8 inch, 75c each, \$70.00 per 100. Ferns Elastic, 35c, 50c, and 75c each, each please, Queen City Floral Co., Manchester, N. H.

FERTILIZERS

20th Century Plant Food Co., Beverly, Mass.
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Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.

Wizard Brand Cattle Manure.

Hardwood ashes, best fertilizer on earth for lawns and gardens. George Stevens, Peterborough, Ont., Canada.

FERNS

Ferns for fern dishes, all varieties, 2 in., \$3.00 per 100; \$25.00 per 1000.

Chlorium Seligera a most beautiful and graceful fern. Extra fine plants 8 in., \$3.00 each.

Boston Ferns 2 in., \$3.00 per 100, \$25.00 per 1000; 3 in., \$8.00 per 100, \$80.00 per 1000; 7 in., 75c each, \$9.00 per doz.; 8 in., \$1.00 each.

The Geo. Wittbold Co., Chicago, Ill.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
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FLORISTS' LETTERS

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M. Rice & Co., 1230 Race St., Phila., Pa.
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Reed & Keller, 122 W. 25th St., New York.
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FLOWER POTS

W. H. Ernest, 28th and M Sts., Washington, D. C.
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A. H. Hews & Co., Cambridge, Mass.
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Syracuse Pottery Co., Syracuse, N. Y.
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Peters & Reed Pottery Co., Zanesville, O.
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FORGET-ME-NOTS

Forget-me-nots, 1500 Royal Blue, 2 1/4 in. pots, 2000 Victorias in flats, large plants, \$2.00 per 100. Cash. M. B. Saunders Co., 25 Burnett St., Providence, R. I.

FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.
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Kervan Co., New York.
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H. M. Robinson & Co., 15 Province St.
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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.
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Geraniums Nutt, Poltevine, Ricard, Perkins, Vland, Buchner, Rose, Ivy. Rooted cuttings, \$1.00 per 100; \$10.00 per 1000. Edward Wallis & Co., Berlin, N. J.

GLADIOLUS

Frank Banning, Kinsman, O.
New Gladiolus Niagara.
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Silver Trophy and Florist Mixture Gladiolus bulbs, 10,000, large also small sizes, for sale in October. S. E. Spencer, 58 Congreve St., Roslindale, Mass.

GLASS

Boston Plate & Window Glass Co., Boston.
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Standard Plate Glass Co., 26-30 Sudbury St., Boston.
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Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.
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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.
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Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
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GOLD FISH

Gold fish, aquarium plants, snails, c. s. t. s., glass, aquarium, fish foods, nets etc., wholesale. Franklin Barrett, breeder, 4815 D St. Philadelphia, Pa. Large breeding pairs for sale. Send for price lists.

GREENHOUSE BUILDING MATERIAL

A. T. Stearns Lumber Co., Neponset, Boston.
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King Construction Co., N. Tonawanda, N. Y.
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J. C. Moulner Co., 117 East Blackhawk St., Chicago, Ill.
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Foley Mfg. Co., Chicago.
Pecky Cypress for Benches.
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Hitchings & Co., 1170 Broadway, N. Y.

Lord & Burnham, 1133 Broadway, New York.
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Pierson U-Bar Co., Madison Ave., New York
Designer and Builder.

GUTTERS

King Construction Co., N. Tonawanda, N. Y.
King Channel Gutters.
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HAIL INSURANCE

Florists' Hall Asso. of America.
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HARDY FERNS AND SUPPLIES

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The Kervan Co., New York
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HEATING APPARATUS

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Lord & Burnham Co., 1133 Broadway, New York.
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New England Nurseries, Bedford, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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HIMEROCALLIS LILY

Fulva \$2.50 per 100. C. S. Harrison's Select Nursery Co., York, Neb.

HONEYSUCKLES

Lonicera Halliana Hall's honeysuckle, 4 in., 20c each; \$2.00 per doz.

The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

HOSE

H. A. Dreer, Philadelphia, Pa.

HOT-BED SASH

A. T. Stearns Lumber Co., Neponset, Mass.
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Parshelsky Bros., Brooklyn, N. Y.
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Lord & Burnham Co., 1133 Broadway, N. Y.
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INSECTICIDES

Eastern Chemical Co., Boston, Mass.
Imp. Soap Spray.
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Nicotide kills all greenhouse pests.

P. R. Palethorpe Co., Owensboro, Ky.
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In writing to Advertisers kindly mention Horticulture

INSECTICIDES, Continued

Stumpp & Walter Co., New York.
Kiln-dried Tobacco Dust.
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Aphine.
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To-Bak-Ine Products.
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Wilson Plant Oil and Fertilizer Co., New York N. Y.
Wilson Plant Oil.
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Acme Nicotine Insecticides sold direct to the grower. Acme 45 per cent. Liquid, pint \$1.75; gallon \$12.50. Acme Fumigating Paper, case of 288 sheets \$5.50. Sample can of 24 sheets 60 cents, postpaid. J. P. Beermaker, 9 Washington Ave., St. Louis, Mo.

IRISES.**IRIS GERMANICA**

L'Avenger, divaricate, cardinals, purple veined, splashed with white, flavescens (canary yellow). On account of a surplus, we offer good single roots of the above varieties, while they last, at only \$3.00 per 100. The Geo. Witthold Co., Chicago, Ill.

Kheive, \$6.00; Celeste, Chalcedonia, Elizabeth and Anna \$5.00; Flavescens, Madam Cleopatra, Margolin, Marmora, Nymph, Pallida Speciosa, and Queen of May, \$4.00; Florentina White, and Purple Queen, \$3.00; Delicata, and Sans Souci, \$2.50; Pimila, and Siberian Blue, \$2.00 per 100. C. S. Harrison's Select Nursery Co., York, Neb.

JAPANESE LILIES

Loechner & Co., New York, N. Y.
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KENTIAS.

Boblink & Atkins, Rutherford, N. J.
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A. Leuthy & Co., Roslindale, Mass.
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LANDSCAPE GARDENING COURSE.

Home Correspondence School, Springfield, Mass., Dept. 8.
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LILAC

Rouen, 3 to 4 feet, six to fifteen branches, an ideal hedge as it stands, \$10.00 per 100. C. S. Harrison's Select Nursery Co., York, Neb.

LILIUM HARRISH

F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
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LILIUM MULTIFLORUM AND GIGANTEUM

R. M. Ward & Co., New York, N. Y.
Horse Shoe Brand.
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MASTICA

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Kentucky Tobacco Product Co., Louisville, Ky.
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NIKOTEEEN APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.
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NURSERY STOCK

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New England Nurseries, Bedford, Mass.
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W. & T. Smith Co., Geneva, N. Y.
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Boblink & Atkins, Rutherford, N. J.
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Bay State Nurseries, North Abington, Mass.

Hardy, Northern Grown Stock.
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McHutchison & Co., New York, N. Y.
Direct Importations.
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NURSERY STOCK—Continued

Loechner & Co., New York, N. Y.
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TREES, SHRUBS, ROSES, EVER-GREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00 by Horticulture Publishing Co., 11 Hamilton Place, Boston.

ONION SETS

Leonard Seed Co., Chicago, Ill.
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For Sale. Winter Onion Top Sets, select stock. A. S. Pett, Crawfordville, Ind.

Egyptian Winter Top onion sets, good stuff, \$2.25 bushel. J. F. Hammar, Nashua, N. H.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
For page see List of Advertisers.

Ordenez Bros., Madison, N. J., Box 108.
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Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
For page see List of Advertisers.

Orchids—largest stock in the country
Store plants and Crotons, finest collection
Jullus Roehrs Co., Rutherford, N. J.

Orchid Growers' Manual. By B. S. Williams. 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston

Edward V. Low, late of Hugh Low & Co., dissolved, Vale Bridge, Haywards Heath, England "White" Cattleyas and Choice Cypripediums are leading features.

PALMS, ETC.

Phoenix reclinata, 4 in., 5 each, \$3.00 per doz., \$20.00 per 100; 5 in., 5 each, \$5.00 per doz.

Phoenix Roebelenii, 6 in., \$2.00 each; 7 in., \$2.50 each.

Latania borbonica, 3 in., 5c, \$1.00 per doz., \$6.00 per 100; 4 in., \$2.00 per doz., \$20.00 per 100.

Kentia Belmoreana, 2 1/2 in., \$1.50 doz.; 3 in., \$2.00 doz.; 4 in., \$3.00 doz.; 5 in., \$5.00 doz.; 6 in., 24 to 28 in. high, 4 to 6 leaves, \$1.50 each.

Kentia Fosteriana, 2 1/2 in., \$1.50 per doz.; 3 in., \$2.00 per doz.; 4 in., \$3.00 per doz.; 5 in., \$5.00 per doz.; 6 in., 36 to 40 in. high, 5 to 6 leaves, \$1.50 each.

Cycas revoluta, the well-known sago palm, 4 in., 25c to 35c each; 5 in., 35c to 50c each; 6 in., 50c to \$1.00 each; 7 in., \$1.00 each.

Pandanus utilis, 3 in., \$2.00 per doz.
The Geo. Witthold Co., Chicago, Ill.

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

John Scott, Brooklyn, N. Y.
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Jullus Roehrs Co., Rutherford, N. J.
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Joseph Hancock, Wyncote, Pa.
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Loechner & Co., New York, N. Y.
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PAPER POTS

Paper Pots: 5000 3 in., \$5; 2 1/2 in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
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PECKY CYPRESS BENCHES

Foley Mfg. Co., Chicago.
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A. T. Stearns Lumber Co., Boston, Mass.
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PEONIES

W. L. Gumm, Remington, Ind.
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Send for surplus list. C. S. Harrison's Select Nursery Co., York, Neb.

PEONIES—1200 sorts, an enormous stock List ready. C. Betscher, Canal Dover, O.

Peonies in any quantity. Write for prices on list of your wants. Gilbert H. Wild, Sarcoxie, Mo.

Peonies, over 500 varieties, embracing most of the finest foreign and American varieties. Send for list. W. L. Gumm, Peony Specialist, Remington, Ind.

Peony Chinensis divisions, 2 to 3 eyes, Humel late pink and Hortense, Tyrian red \$3.00 per 100; Festiva alba, early white, Duchess de Orleans, early pink, Comte de Jussier very early white and sulphur, \$5.00 per 100. Cash with order. Thomas J. Oberlin, Sinking Spring, Pa.

PETUNIAS

Petunias (Dreer's), mixed, 2 1/2 in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

PHLOX

Pyramid, Zonave and Zantippe, \$5.00 per 100. C. S. Harrison's Select Nursery Co., York, Neb.

Fifty choicest varieties of hardy Phlox; whole plants, \$5.00 per 100; \$75.00 per 1000. Cash please. Adolf Muller, DeKalb Nurseries, Norristown, Pa.

PHOTOGRAPHS

I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan R. Graves, 414 Hayward Bldg., Rochester, N. Y.

PLANT STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

H. A. Deere, Philadelphia, Pa.

"Riverton Special."
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PIPE AND FITTINGS

Foley Mfg. Co., Chicago.
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Kroeschell Bros., Co., 466 Erie St., Chicago.
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Metropolitan Material Co., Brooklyn, N. Y.
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POT HANGERS

Pot hangers, Kramer's \$1 doz by exp., \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

PRIMULAS

Primulas Chinese, fine plants, 2 1/2 in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

PRIVET

California Privet, any quantity, size, age. Others say ours is the best grown. Write for prices; also on shrubbery, ornamentals, fruit trees, asparagus, etc. Franklin Davis Nursery Co., Baltimore, Md.

100,000 California Privet, 2 year, 2 1/2 to 3 feet, only \$25.00 per 1000, cash. Adolf Muller, DeKalb Nurseries, Norristown, Pa.

RHODODENDRONS

P. Ouwkerk, Hoboken, N. J.
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Boblink & Atkins, Rutherford, N. J.
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RIBBONS AND CHIFFONS

M. Rice & Co., 1220 Race St., Phila., Pa.
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S. S. Pennock-Meehan Co., Philadelphia, Pa.
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ROSES

Chas. H. Totty, Madison, N. J.
Own Root and Grafted Roses.

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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Robert Craig Co., Philadelphia, Pa.
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W. & T. Smith Co., Geneva, N. Y.
American Grown Roses
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Bay State Nurseries, North Abington, Mass.
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Wood Bros., Plaskill, N. Y.
Own Root Roses.
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Eastern Nurseries, Jamaica Plain, Mass.
New Roses Originated by Jackson Dawson.
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S. S. Pennock-Meehan Co., Phila., Pa.
New Roses for 1912.
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Wanted—Rose plants of any kind. Melrose Garden Co., 90 Melrose St., Providence, R. I.

SEED GROWERS

Braslan Seed Growers Co., San Jose, Cal.
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SEEDS

T. J. Grey Co., 32 So. Market St., Boston
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Joseph Breck & Sons,

51 and 52 N. Market St., Boston, Mass.
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Rickards Bros., 37 E. 19th St., New York
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Henry F. Mitchell Co., Philadelphia, Pa.
Mitchell's Colossal Mignonette.
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W. Atlee Burpee & Co., Philadelphia.
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Arthur T. Roddington, New York
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R. & J. Farquhar & Co., Boston, Mass.
Flower Seeds for the Florist.
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J. M. Thorburn & Co., 33 Barclay St., N. Y.
Asparagus Plumosus Nana Seeds.
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Fottler, Fliske, Rawson Co., Boston, Mass.
Antirrhinum Seeds.
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Leonard Seed Co., Chicago, Ill.

Beans, Peas, Sweet Corn, Onion, Turnip.
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Wm. Elliott & Sons, New York.
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James Vick's Sons, Rochester, N. Y.
All Leading Varieties of Seeds.
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Skidelsky & Irwin Co., Philadelphia, Pa.
Giant English Cyclamen and Mignonette.
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The W. W. Barnard Co., Chicago, Ill.
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J. Bolgiano & Son, Baltimore, Md.
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Hjalmar Hartmann & Co.,
Copenhagen, Denmark.
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SNAPDRAGONS

Giant White and Yellow plants in 2 1/2 inch pots ready to ship, \$9.00 per 100; \$18.00 per 1000. Pleasant Valley Gardens, North Tewksbury; address 1 Park P. Putnam, Lowell, Mass.

SOLANUMS

Solanum aculeatissimum, 6' strong, 50c each, \$5.00 per doz.
The Geo. Wittbold Co., Chicago, Ill.

SPHAGNUM MOSS

The W. W. Barnard Co., Chicago, Ill.
For page see List of Advertisers.

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Luger & Hurrell, Summit, N. J.

Ten bales sphagnum moss, \$7.00. Z. K. Jewett Co., Sparta, Wis.

SPRAYERS

Chas. J. Jager Co., Boston, Mass.

STEVIAS

Stevias, 2 in., cut back once, \$3.00 per 100, cash. M. B. Saunders Co., 25 Burnett St., Providence, R. I.

STRAWBERRY PLANTS

H. F. Dew, Albion, Mich.

TREE RENOVATION

John T. Withers, Inc., Jersey City, N. J.
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VALLEY PIPS

Hjalmar Hartmann & Co.,
Copenhagen, Denmark.

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Lochner & Co., New York, N. Y.
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VEGETABLE PLANTS

Warren Shinn, Woodbury, N. J.
Celery Plants.

VENTILATING APPARATUS

Foley Mfg. Co., Chicago.
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The Advance Co., Richmond, Ind.
Improved Ventilator Arm.
For page see List of Advertisers.

VIOLETS

Princess of Wales, \$6.00 per 100; \$50.00 per 1000. Fine, healthy stock. Order quick! Charles Lenker, Freeport, L. I., N. Y.

WIREWORK

Reed & Keller, 122 W. 25th St., N. Y.
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J. Jansky, Boston, Mass.
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Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.

William E. Hellscher's Wire Works, 38-40 Broadway, Detroit, Mich.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
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WOOD PRESERVATIVE

Conserve Wood Preservative doubles the life of all exposed lumber. Preserves benches, posts, sills or planking. Costs 3c a stick, and saves ten times its cost. Samuel Cabot, Inc., Mfg. Chemists, Boston, Mass.

WHOLESALE FLORISTS**Boston**

N. F. McCarthy & Co., 84 Hawley St.
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Welch Bros., 228 Devonshire St.
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H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl.
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Buffalo, N. Y.

William F. Kastling Co., 383-87 Ellicott St.
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Chicago

Peter Reinberg, 51 Wabash Ave.
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Poehlmann Bros. Co., Morton Grove, Ill.
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J. A. Budlong, 37-39 Randolph St.
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WHOLESALE FLORISTS—Continued

Chicago Flower Growers' Association,
176 N. Michigan Ave.
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Cincinnati, Ohio

The J. M. McCullough's Sons Co., 516 Walnut St.
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Cromwell, Conn.

A. N. Pierson, Cromwell, Conn.
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Detroit

Michigan Cut Flower Exchange, 38 and 40 Broadway.
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New York

M. C. Ford, 121 W. 28th St., New York
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H. E. Froment, 57 W. 28th St., New York.
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H. C. Horan, 55 W. 28th St., New York.
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A. H. Langjahr, 130 W. 28th St., New York.
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James McManus, 55 W. 28th St., New York.
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W. F. Sheridan, 133 W. 28th St., New York.
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Wm. H. Kuebler, 28 Willoughby St., Brooklyn, N. Y.

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Moore, Heutz & Nash, 55 and 57 W. 26th St., New York.
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Greater New York Florists' Association,
162 Livingston St., Brooklyn, N. Y.
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A. L. Young & Co., 54 W. 28th St., N. Y.
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Charles Millang, 55 and 57 West 26th St.
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P. J. Smith, 49 West 28th St., N. Y.
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Frank Millang, New York, N. Y.
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Traendly & Schenck, New York, N. Y.
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Badgley, Riedel & Meyer, Inc., New York
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A. Moltz & Co., New York, N. Y.
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Siebrecht & Siebrecht, 136 West 28th St., New York.
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Philadelphia

Leo. Niessen Co., 1209 Arch St., Phila., Pa.
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The S. S. Pennock-Meehan Co., 1608-12 Ludlow St., Philadelphia, Pa.
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Rochester, N. Y.

George B. Hart, 24 Stone St.
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Little Ads Bring Big Returns

Little ads in our Classified Columns bring big returns to both advertiser and purchaser.

Anything that can be sold to florists, gardeners, park and cemetery superintendents, etc., can be sold through this medium in this department, and at very small cost.

Don't fail to read them each issue, for you will find one or more that will prove profitable to you.

They Cost Only One Cent a Word Undisplayed

In writing to Advertisers kindly mention Horticulture

THE NEW MINERAL FERTILIZER

Will produce

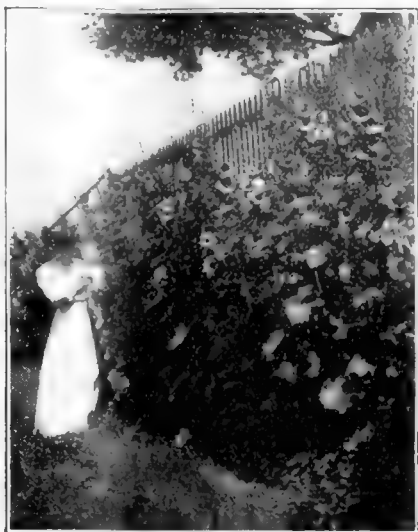
MORE

and

LARGER FLOWERS

and of better color than any plant food ever put on the market.

Contains all of the original elements of virgin soil



The above cut shows hollyhocks, nine feet six inches high, with more blossoms and of better color than ever produced by any other fertilizer.

Write for catalogue and testimonials.

Will

DESTROY

all

INSECT LIFE

that preys on plants under glass.

It is a plant food and not a stimulant

Aphine

The Insecticide that kills plant Lice of every species

Destroys green, black and white fly, red spider, thrips, mealy bug, brown and white scale, and all soft-bodied insects. An excellent cleanser for decorative stock. Used as a spray, you can rely on it for positive results, without fear of failure or dissatisfaction.

\$2.50 per gallon, \$1.00 per quart.

"FUNGINE"

An infallible remedy for mildew, rust and other fungus diseases. A clean, safe and easily applied spraying material. It has no equal for destroying mildew on roses, and carnation rust.

\$2.00 per gallon, 75c. per quart.

FOR SALE BY SEEDSMEN.

Send for name of nearest selling agent. Our products are not alone endorsed, but are continuously used by leading commercial growers, professional gardeners, park departments and state colleges of the country. Aphine and Fungine can be used in house or field.

MANUFACTURED BY

APHINE MANUFACTURING COMPANY
MADISON, N. J.

THE NEW MINERAL FERTILIZER CO. 19 EXCHANGE PLACE,
BOSTON, MASS.

Tobacco Paper

IS THE

**STRONGEST,
BEST PACKED,
EASIEST APPLIED.**

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

"NICO-FUME" LIQUID

OVER 40% NICOTINE

By far the
CHEAPEST.

**Furnishes the
Most Nicotine for the Money**

... Manufactured by ...

THE KENTUCKY TOBACCO PRODUCT CO.,

Louisville, Ky.

JUST NOTE PRICE!

Pint.....	\$ 1.50
1/2 Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

KILMDEAD
The best of all
the tobacco
dusts for
Dusting or
Fumigating

28 lbs. \$1.00 100 lbs. \$ 8.00 1000 lbs. \$27.00
60 lbs. 1.75 200 lbs. 14.00 2000 lbs. \$2.50

Stump & Walter Co.
50 Barclay St.
New York, C.

NIKOTEEN The most effective and economical material there is for spraying plants and blooms. Skillfully extracted from leaf tobacco, and carefully refined, it is clean and easy to apply. Does the work when **NIKOTEEN** vaporized either in pans, on pipes, or over a flame. Full Pint Bottles, \$1.50.

NIKOTEEN APHIS PUNK

Specially prepared for fumigating closed houses. It vaporizes the Nicotine evenly and without waste. Nothing keeps a house free from Aphis so cheaply. Price \$6.50 per case of 12 paraphrased boxes. All Seedmen.

To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

Use any form you choose but buy it of

E. H. HUNT, 131 N. Wabash Avenue, Chicago

Wilson Plant Oil & Fertilizer Company

150 Nassau Street, NEW YORK CITY
Horticultural Supplies

Write for our special Catalogue

Cocoanut Fiber Soil

is being sought after by all growers. Cover your lawns this fall and next summer you can have a green one.

20th CENTURY PLANT FOOD CO.,
27 Ocean St., Beverly, Mass.



**The Best
Bug Killer and
Bloom Saver**

For PROOF
Write to

P. R. Palethorpe Co.
OWENSBORO, KY.

Imp Soap Spray

Clean and odorless. Forms invisible films. Non-corrosive. Usual effective strength, one to thirty-two.

Single gallons, \$1.50
In barrels, \$1.00

Eastern Chemical Company
Pittsburg Street
BOSTON

FOR "POT LUCK" TRY US...

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

Pearson Street,
LONG ISLAND CITY, N. Y.

WRITE FOR CATALOGUE AND DISCOUNTS

A. H. HEWS & CO., Inc.

Main Office and Factories
CAMBRIDGE, MASS.

NEWS NOTES.

Kalamazoo, Mich.—The Central Nursery & Floral Co. has retired from business.

Owasso, Mich.—John Schleider has sold the Sunnyside Greenhouses to M. A. Herrick of Durand, Mich.

Denver, Colo.—Greenhouses at 2122 Hooker street have been leased by James Hamlin, who will start business there.

Newark, N. Y.—The Jackson & Perkins Co. is contemplating a 60x160 frost-proof warehouse for storage of nursery stock.

Hot Springs, Ark.—J. F. Howard has sold his greenhouses and other property on Harrell avenue to the C. H. Johnson Floral Co.

Madison, Wis.—The Capital City Greenhouse Company has filed an amendment increasing its capital stock from \$15,000 to \$50,000.

Stouffville, Ont., Can.—The Stouffville Floral Co. has purchased the business of Brillinger & Meader. Robert Rae is manager of the new company.

Addison, Ill.—It is reported that a Hinsdale nurseryman has purchased 80 acres of land south of the town upon which he will erect an extensive range of greenhouses.

Pittsfield, Mass.—An elaborate Italian garden is to be constructed for William H. Walker, on his Brookside estate. \$50,000 or more is to be expended, mainly for marble fountains and other stone work. F. Vitale, of New York is the architect.

Wayland, O.—Among the most successful gladiolus growers in the country is Mrs. A. H. Austin of this town. From a very small start a few years ago Mrs. Austin has developed her business until the number of bulbs now growing exceeds a million. The bulbs are grown in rows three feet apart and about fifty rods in length. The stock this year includes a large number of seedlings from hand-fertilized seed. The soil is a clayey loam which has been farmed for about 100 years.

We learn from the Bulletin of Foreign Plant Introductions issued August 25, 1911, by the Bureau of Plant Industry at Washington, that Frank N. Meyer, the noted explorer and plant collector arrived at Omsk, Siberia on July 2, after a trip into the Altai mountains where he had collected a quantity of material for the Agricultural Department.

DREER'S "Riverton Special" Plant Tub



No.	Diam.	Each	Dox.	100
10	20 in.	\$1.45	\$18.00	\$130.00
20	18 in.	1.30	14.00	115.00
30	16 in.	1.00	11.25	92.00
40	14 in.	.85	7.00	56.00
50	12 in.	.45	5.00	40.00
60	10 in.	.38	4.00	32.00
70	8 in.	.30	3.50	28.00

Manufactured for us exclusively. The best tub ever introduced. The neatest, lightest and cheapest. Painted green, with electric welded hoops. The four largest sizes have drop handles.

HENRY A. DREER, Seeds, Plants, Bulbs and Supplies, 714 Chestnut Street, Philadelphia, Pa.

MASTICA
FOR Greenhouse Glazing
USE IT NOW.
F. O. PIERCE CO.
12 W. BROADWAY
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

Holds Glass Firmly
See the Point of
PEERLESS
Glazing Points are the best.
No rights or lefts. Box of 1,000 points 75 cts. postpaid.
HENRY A. DREER,
714 Chestnut St., Phila., Pa.

GREENHOUSES BUILDING AND CONTEMPLATED.

Shenandoah, Ia.—Fred Fischer, one house.

Bowerstown, O.—J. G. Gamble, house 20x50.

Waterbury, Conn.—C. F. Doll, Park road, one house.

Beaver Dam, Wis.—Joseph Wagner, range of houses.

Woburn, Mass.—J. F. Marion, Cambridge street, addition.

St. Louis, Mo.—Robert Scott, Schreve avenue, one house.

New Haven, Conn.—L. Vegues, Ramsdell street, one house.

Albany, N. Y.—H. G. Eyres, Knox and Morris streets, two houses each 20x100.

Portland, Ore.—Alex Davis and John Spencer, East Twenty-fifth street, one house.

Fort Worth, Texas.—Baker Bros. Co., two houses, each 40x218. L. Cowell, range of houses.

1000 READY PACKED CRATES

STANDARD FLOWER POTS AND BULB PANS

can be shipped at an hour's notice. Price per crate:

2000	1 1/4 in.	@	\$6.00	500	4 in.	@	\$4.50
1500	2 "	"	4.88	456	4 1/2 "	"	5.24
1500	2 1/4 "	"	5.25	320	5 "	"	4.51
1500	2 1/2 "	"	6.00	210	5 1/2 "	"	3.78
1000	3 "	"	5.00	144	6 "	"	3.16
800	3 1/2 "	"	5.80	120	7 "	"	4.20
				60	8 "	"	3.00

HILLFINGER BROS., Pottery, Fort Edward, N. Y.

August Rolker & Sons, 31 Barclay St., N. Y. City Agents.

OUR SPECIALTY—Long distance and export trade.

Syracuse Red Pots

"A little pot is soon hot," likewise a thin pot. This will save you fuel. Our pots are the thinnest and toughest owing to the superior quality of the clay.

New price list on application.

Syracuse Pottery Co., SYRACUSE, N. Y.

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts.,

Washington, D. C.



ALL THE CLAY FOR OUR

Florist' Red Pots
is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots, order from us.
THE PETERS & REED POTTERY CO.
Zanesville, Ohio

PATENTS

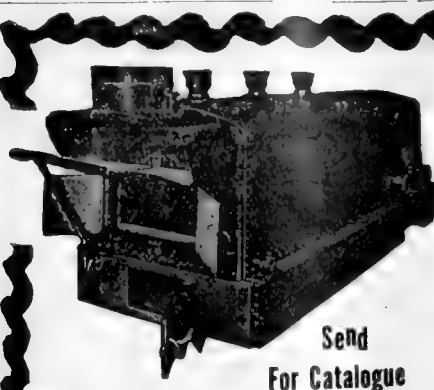
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Send your business direct to Washington. Saves time and insures better service. Personal attention guaranteed. Twenty-five years' active service. SPECIALTY: "Working on the Failures of Others."

SIGGERS & SIGGERS

PATENT LAWYERS

Box 9, National Union Building
Washington, D. C.



Send
For Catalogue

What the Users say

KROESCHELL BOILER

Half the Coal and Half the Work.

"Your No. 13 boiler is carrying 25,000 sq. ft. of glass and I can keep it at 60 degrees in the coldest weather without any trouble. I have three other types of boilers also heating a range of 25,000 sq. ft. of glass. But the No. 13 Kroeschell Boiler **ONLY TAKES HALF THE COAL** and half the work to get the same results."

J. G. FRISZ, Vincennes, Ind.
P. S.—Mr. J. G. Frisz, of Vincennes, Ind., has the largest range of glass in Indiana devoted to vegetable forcing.

KROESCHELL BROS. CO., 466 W. Erie St., Chicago, Ill.

LOUISIANA RED CYPRESS GREENHOUSE MATERIAL

STEEL GUTTERS, TRUSSES,
PURLINS, PIPE, FITTINGS, GLASS,
Etc.

PRIVATE AND CONSERVATORY
WORK A SPECIALTY.

The Foley Manufacturing Co.
Western Ave. and 26th St., CHICAGO

KING GREENHOUSES

THE BEST IS NONE TOO GOOD
FOR YOU SO GET THE BEST.
WRITE FOR OUR BULLETINS AND
QUESTION BLANKS TO EXPRESS
YOUR REQUIREMENTS.

KING CONSTRUCTION CO.

Home Office and Factory
N. TONAWANDA
N. Y.

Eastern Sales Office
No. 1 MADISON AVE.
NEW YORK

GLASS

"Cheap as Dirt"
Have you had any prices on greenhouse glass, lately?
Write us at once for our quotations.
We'll surprise you.
Take advantage of the drop and book orders for future deliveries.
Our glass all new and fresh from factory.
Hot-bed sash and greenhouse material, dropped too.
PARSHESKY BROS., CO.
59 Montrose Ave., BROOKLYN, N. Y.

STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

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HORTICULTURE

Vol. XIV.

SEPTEMBER 16, 1911

No. 12



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In writing to Advertisers kindly mention Horticulture

Seasonable Notes on Culture of Florists' Stock

CHRYSANTHEMUMS

If you want to grow your plants to the best possible advantage give them an application of liquid manure once or twice a week, as the beds will be full of roots and in a condition to stand liquid feeding. The best principle to follow in feeding is to give a little at first and increase gradually until they are getting it twice a week. This feeding can go on with all varieties until the buds show color; after that it tends to make the flowers soft and of poor keeping quality. Less spraying of the plants will now be necessary as the days are growing cooler which makes evaporation less. When the bud is taken and the stem shows signs of thickening, give less water at the roots and keep the atmosphere of a dryer nature, but this doesn't mean to let them suffer for a sufficient amount to keep them in good health. Where immense flowers of fine depth and finish are wanted, they can only be obtained by getting the wood into the right condition of ripeness. If the temperature of the house falls below 45 degrees at night it is better to have a gentle warmth in the pipes, and keep a couple of inches of air on the top ventilators than to close the house up tight. See that you have all the fly disposed of before the flowers show color.

DUTCH BULBS

To be successful in forcing these bulbs, you want a good compost. Any good loam three parts, to one part of dry cow manure, and enough sharp sand to make the compost open will grow good flowers. Where the above mentioned compost is not handy, of course old carnation or rose soil that has some fresh loam and old manure added to it will answer. Don't leave your bulbs lying around for days, but box or pot them up as soon as they arrive. When this has been done give them as much water as the soil will take; this will plump the bulbs up, and put them in the right condition to start and make roots. Store them away in some coldframe or—what is better—a bulb cellar, and keep dark and moist until they have advanced far enough with root growth. It takes about five weeks to root tulips, narcissi, and a week longer to root hyacinths, and a longer time will give you a more perfect bloom. All the foregoing bulbs can be forced in from five to seven weeks. It is well to remember that all bulbs should be finished in a cooler temperature of from 48 to 55 degrees, which gives the flowers more substance, and better lasting quality.

GETTING READY FOR FROST

Frost may be expected at any time now, so prepare by lifting all stock of a tender nature from the field rows and have them potted or boxed up. Take in all palms and foliage plants that are in pots and tubs that have been standing around for decoration. See that green houses, frames, and sash to be used for storing

such material are thoroughly overhauled and put in order. Clean out all rubbish and have all repairs, such as carpentering, painting and glazing attended to without delay. Frames that are holding such stock as cinerarias, calceolarias, cyclamen, primulas, etc., should have their sashes in readiness now for immediate service to prevent any damage by cold winds or frosts. Lift a good many stock plants of abutilon, acalypha, fuchsia, heliotrope, lantana, salvia, etc., pot them up, and place in a cool house for stock later on.

PLANTING AND CHOOSING OF PERENNIALS

In order to end right with your planting first make a drawing of proposed beds and specify each plant's respective position on this drawing. Give study to the proper mingling of colors, thus avoiding mistakes that would necessitate replanting. To provide for an equality of bloom in the border throughout the season, the date at which the different types flower should also be taken into account. Another thing to remember is not to make the common mistake of planting them too close together. Give each plant sufficient room so that it can develop to its full size. Plants that grow a foot high should be set approximately from 8 to 10 inches apart, two feet high 14 to 16 inches, three feet high 18 to 20 inches and four feet high 22 to 24 inches. These show borders should form a distinct feature not less than 10 feet in width, and backed up with a background of evergreens.

The following is a good list to plant. For the front row *Achillea* The Pearl and *tomentosa*, *Arabis alba*, *Alyssum saxatile*, *Campanula carpatia*, *Heuchera sanguinea*, *Iberis sempervirens*, *Lychnis Viscaria*, *Sieboldi* and *Haageana*, *Phlox amoena* and *sublata alba*, *Primula veris*. For the second row *Anemone Honorine Jobert*, *Kriemhilde*, and *Whirlwind*, *Aquilegia canadensis*, *chrysantha alba* and *nivea grandiflora*, *Campanula calycanthema* in colors and *Medium*, *Chrysanthemum maximum* in varieties, *Coreopsis lanceolata*, peonies, hardy phlox, delphiniums. All these should be about two feet in height. For the third row you can select varieties that grow about three feet high of any of the foregoing. For the fourth row *Aconitum Fischeri*, *Cimicifuga racemosa*, *Bocconia cordata*, *boltonias*, *Digitalis gloxiniflora*, hollyhocks, *helianthus*, *Eupatorium purpureum*, *Hibiscus moscheutos*. These are good for the last row.

PROPAGATION

Those who do a big spring bedding business should now propagate *alternanthera*, *achyranthes*, *begonias*, *coleus*, *feverfew*, *heliotrope*, *double alyssum*, *Lobelia Kathleen Mallard*, *Perilla nankinensis*, etc. After they are rooted pot up all except the *alternantheras* which are better to be put in flats. The others can be grown on in order to furnish cuttings later for the next year's supply.

STEVIAS

Plants that are planted out should be lifted now and potted into 6 or 8-inch pots, but let them stand outside where they can be protected from any frost as it will make them more robust. When you have to take them in give them as cool a house as possible with lots of light and air.

John J. M. Farrell

Mr. Farrell's next note will be on the following: Care of Roses, Forcing Tulips, Hardy Phlox, Mignonette, Orchids, Smilax.

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 This year's
 tulip bulbs

Mention is made in our bulb trade notes this week of the fact that many tulip bulbs are tender-skinned this year and advising care in handling them. The weather is probably responsible largely for the conditions complained of but the question of soil has, as we understand it, much to do also with the matter. Tulips from the north of Holland where cabbages are grown and the soil is sandy do not show much of the defect mentioned, the skins being good and firm. Bulbs grown in the peat soil of southern Holland are the more likely to have cracked skins for they ripen later and a rainy spell at the ripening season, as was the case this year, finding them with a frail and tender skin, is liable to cause the trouble, which, however, is not at all serious if they are carefully handled. Certain varieties are known to all bulb experts to be thin-skinned, one of the worst being Pottebaker White which, no matter where it is grown, will crack its skin. We have heard it asserted that tulips from sand or clay soil make the best for forcing, but that for garden planting there is no advantage either way.

 "Killing
 with kindness"

Our news items from several sources this week seem to emphasize the truth that there is yet plenty to be learned and that our most cherished cultural methods and beliefs are often far from being sound. In the notes on the recent exhibition in Horticultural Hall, Boston, special mention is made of the fact that some of the finest fruit shown came from the far extremity of Cape Cod. Who ever imagined that this sandy strip of old Massachusetts had any exceptional qualifications as a peach growing country? Yet, there was the evidence, indisputable. Again, take *Adiantum Farleyense*, that pampered denizen of the sweltering stove house. One gardener has had the temerity to give it cool treatment and is consequently able to expose it in the most draughty spot in a cold hall for three days without showing any ill effects. "Killed with kindness" is the epitaph which might with exact truth be inscribed over the grave of many a misjudged acquisition. It is common knowledge that some of our most reliable garden plants were for a long period treated as greenhouse subjects. No doubt there are many things that would succeed better with less coddling than we have been giving them.

 Neglected
 details

The exhibition season is now in full swing and our columns for the next two months will, as in past seasons, teem with accounts of the triumphs, big and little, of ambitious rivals and accomplished experts in the art of growing and showing their productions. One great and almost universal fault in the reporting and recording of these affairs is the failure to state the principal points of merit and in many cases, to even give the name of a winning variety. To make merely the barren statement that Mr. A. took first prize in the red

class or the blue class, as the case may be, may tend to please Mr. A., but, in fact, it is of no great interest to the majority of readers and is absolutely useless as a matter of information or education, which is or should be the great end and aim of a flower show. The correspondent is not the only one at fault always. Indeed, it is rarely that the judges trouble to fill in anything but a check-mark or brief word sufficient to identify on the record the winning exhibit. We think there is room for much improvement in this respect and feel sure that our readers would welcome the opportunity to learn something of the basis of award and the points which establish superiority in a new introduction or otherwise notable exhibit, even if the laboriously extended lists of second and third prize winners in the lesser classes, which very few care to read, should be crowded out thereby.

The public and pure seed

Whatever the loss and annoyance may amount to in the seedsman's business and peace of mind, in consequence of the widespread agitation over seed

inspection and purity legislation, it becomes evident that the indirect effect, thus far, is not wholly bad. No seed house with any self-respect has ever preferred to send out seed of inferior quality and where this has been done it has been because of the failings of the producer from whom he got his supply or of the unwillingness of his customers to pay a sufficient price to assure high quality. This latter was in a large degree due to ignorance, on the part of the public, of the facts as to seed quality and the consequences of planting low grade rubbish. Seedsmen are now greatly encouraged by the very evident awakening of the people to the situation and the increasing disposition to insist upon high quality and an acceptance of the fact that although it is going to cost more it is by far the cheapest in the end, a condition due in a large degree to the publicity given this subject in recent years. One unfortunate feature of the situation up to the present time is, however, the immunity allowed the farmers in that in most of the pure seed laws they are exempted from the restrictions placed upon the dealers and can and do still continue to handle large quantities of the most miserable grade of uncleaned, weedy and immature seed. Let us hope that the time is now near at hand when, backed up by a discriminating public, the dealer may be enabled to make it so unprofitable and uncomfortable for the rubbish-producing class that they will be exterminated, regardless of the special leniency so often accorded them, for obvious reasons, by those in authority.

A Correction

In our editorial notes last week an error stole through which should be corrected. *Buddleia "amabilis"* should have been *Buddleia asiatica*. This is a white flowered species and tender. It is admirably adapted in all respects for use as a florist's flower and would take, we believe in the cut flower markets.

Lilies in a Chinese Garden



The accompanying picture shows *Lilium leucanthum* growing in the garden of Dr. Davidson at Chentu, Western China, from bulbs presented by E. H. Wilson, the famous plant collector, in the autumn of 1910.

To this eminent physician and missionary Mr. Wilson is undoubtedly indebted for the saving of his leg after his unfortunate accident in the Chinese mountain passes in September, 1910.

Deutzia discolor major

Our cover illustration depicts one of the many new *Deutzias* recently introduced from China through E. H. Wilson, and one of the largest-flowered members of the family, the individual flowers measuring an inch and a half or more in diameter and borne in very large axillary and terminal clusters. The plant grows to a height of five or six feet and is broader than it is high. It flowers in June and gives every evidence of being quite hardy in the vicinity of Boston. Nurserymen who propose to be in line to supply the demand which is sure to materialize as soon as these new Chinese introductions become known should be on the alert to secure stock at the earliest possible opportunity. They can be seen and studied in their season at the Arnold Arboretum.

TO OUR READERS.

You, no doubt, enjoy and profit by what your fellow horticulturists have contributed to these columns, of their views and experience. Reciprocity is popular now-a-days, and the old adage, "One good turn deserves another" always holds true. So bear in mind that you can do something in return for the benefits you enjoy through the liberal spirit displayed by others, by telling them your experiences as they have given you theirs. Our columns are open always for that purpose.

GARDEN NOTES FROM TIDE-WATER VIRGINIA.

With the increasing prosperity of the south, more attention is being paid to garden making. This is especially true of the section about Norfolk, Va. In this tide-water plain with the little creeks braiding in from Hampton Roads and Elizabeth River with a sky line of southern pines in the distance, is a setting for the garden beautiful.

When tide-water Virginia learns to depend on the flora of her woods and uses it as Olmsted and Elliot have used the native flora of New England in the parks about Boston, and a Professor Sargent gathers from the four corners of the globe the flora adapted to this region, Norfolk will be to the plant lover one of the most interesting cities on the Atlantic coast.

One does not realize how rich the garden flora of this section is until he has spent a year or two studying it. There is not a month in the year that flowers cannot be found in the open garden. The roses bloom until late in December to commence again in April and continue at intervals throughout the summer. In January and February the winter jasmine, (*Jasminum nudiflorum*) brightens the garden with its yellow flowers, and the bush honeysuckle (*Lonicera fragrantissima*) fills the air with its fragrance. Before these have ceased to bloom the rosemary lifts its spikes of lavender flowers above the dark silvery gray leaves, which give off that delightful aroma that reminds one of a well-filled linen chest of long ago. Although one may feel the need of furs and overcoats in the damp sea air, there is not a day from November until April that in some sheltered nook the purple violet does not lift its head with a promise of the spring days when the yellow and brown wall-flower will vie with the narcissus and primrose in transforming the garden into a mass of golden bloom.

And if one goes to the woods in these sunny spring days he will find the air fragrant with the southern jasmine, (*Gelsemium sempervirens*) which adapts itself so readily to the garden and is not only beautiful when in flower but adds to the winter landscape with its garlands of bronze-green leaves and clusters of flower buds ready to burst into yellow bells with the first warm days of spring.

For backgrounds there are many broad-leaved evergreens to choose from

both indigenous and exotic. The native holly when left untrimmed becomes a small tree. At the edge of the salt marshes the bays with their long fragrant leaves are almost as beautiful as the magnolia. Among the sand dunes we see the live oak with its twisted and fantastic branches and the beautiful yupon (*Ilex vomitoria*) with its rose red berries. I never shall forget the first time I saw this shrub used as a window decoration in Norfolk, and the trip out into the country on the day before Christmas to see it growing in the yard where it had been planted a hundred years before, not only as a thing of beauty but that its leaves might be used for tea. The sight of the glossy green leaves always reminds me of the good-natured colored folks, returning, from town, their baskets filled with a heterogeneous mixture of toys and groceries for the Christmas holidays.

The laurel-leaved cherry, (*Lauro-cerasus caroliniana*), with its dark green lustrous foliage and racemes of white flowers in earliest spring is a

of the shrubs that can be used to produce evergreen effects, and give a continual bloom during the summer. As it roots so readily one can have them by the hundreds, and in a year's time have plants larger than camellias that have been growing for four or five years.

There are numbers of broad-leaved evergreen shrubs that are but little known, among them the evergreen privets from China and Japan, with their shining green leaves and spikes of cream white flowers in June and July that remind one of the white lilacs of New England. *Viburnum tinus* attains the height of ten feet. The flowers are creamy white, produced from February to April, but the flower buds are bright pink and begin to show in November, making the shrub conspicuous throughout the winter. And the beautiful *Abelia grandiflora* blooms from June until November, when the leaves become the most beautiful shades of dark green bronze.

Of the exotic deciduous shrubs the crape myrtle (*Lagerstroemia indica*)



GROUNDSEL ON HAMPTON CREEK IN DECEMBER

small tree of great beauty at all seasons and a fit companion for two beautiful evergreens from Japan, the holly-leaved olive, (*Osmanthus aquifolium*) with its fragrant white flowers in January and the loquat (*Eriobotrya japonica*) with its long leathery leaves and great bunches of fragrant flowers which bloom at intervals throughout the winter; although the fruit does not mature as far north as Virginia it is a small tree that has its place in the backgrounds of a shrubbery border. The queen of all the broad-leaved evergreens of the south (*Magnolia grandiflora*), with its great white wax-like blossoms in June is quite at home in this tide-water plain.

Of the evergreen flowering shrubs, none can rival the *Camellia japonica* when in March and April a good sized specimen is laden with hundreds of waxy blossoms and the cape jasmine (*Gardenia florida*), soon follows to continue until frost with its fragrant creamy white flowers. It is only in the coldest winters that the oleander is cut to the ground. Although it does not attain the size that it does farther south, it should be considered as one

is one of the most beautiful as well as one of the most common. It is hard to imagine a plant more beautiful than this shrub when in bloom from July to October. There is a great variation in color from white to shades of purple red but if care is taken in selection fine color effects can be produced, as some of the flowers are of the most exquisite shades of pink. As far as I know there are no named varieties, the only division in the nursery catalogues being *L. alba* and *L. rubra*. If one orders ten plants of *L. rubra* from a nursery, he may get anything from the most offensive shades of purple to the most beautiful shades of pink. I have found the most satisfactory way is to tag the plants I want when in bloom or to take suckers from an old shrub of the desired shade. As plants bloom when small the latter method is quite satisfactory.

One of the most conspicuous shrubs in May is the pomegranate with its double scarlet flowers like great carnations against the dark glossy green leaves. Care must be taken not to set them near the crape myrtle as they continue to bloom for some time



AMERICAN HOLLY

and a worse combination of colors cannot be imagined than the scarlet of the pomegranate and rose shades of the crape myrtle. There are both yellow and white varieties of the pomegranate also a single scarlet variety that to me is fully as pleasing as the double although it does not seem to be as free a bloomer. A number of shrubs that are half hardy farther north are especially adapted to this section. Varieties of spirea, deutzia and forsythia that are often killed to the ground, grow to giants in this climate and are among the most useful spring-flowering shrubs.

Of the native shrubs the groundsel (*Baccharis halimifolia*) also hardy north, is one of the most showy for autumn effects with its white feathery appendages to the seeds. Like many of our American shrubs it is neglected for those that are not nearly as good. It will grow in the wettest or driest ground and when used against a background of dark foliage in large masses in a border shrubbery, is especially effective. It is dioecious and a few of the staminate plants should be set with the pistillate. Another effective autumn shrub that is worthy of introduction to the garden is the bush mulberry (*Callicarpa americana*). Its pink flowers in midsummer are inconspicuous, but the violet purple berries which follow and last until early winter are a sight not to be forgotten, as the graceful sprays literally bend with fruit.

CLARENCE FOWLER.

Fortress Monroe, Va.

TWO LONG ISLAND BULB FARMS.

E. S. Miller.

E. S. Miller, Wading River, N. Y., is an address familiar to most readers of HORTICULTURE'S advertising columns as well as to all the leading seed and bulb interests generally for the past few years. Mr. Miller gave up his position at Floral Park where he had been for many years, nine years ago, and started the enterprise in his native place, Wading River, 70 miles east of New York City, on the Long Island railroad. He has thirty acres under cultivation, of which fully one-half is devoted to gladioli. In this specialty seedling raising is his great hobby, and one of the best evidences of his success in this line is the fine variety recently introduced by Peter Henderson & Co., under the name of Fascination. At the present time he has more than 300 selected seedlings under number the product of several generations of selections from the progeny of the finest named varieties of American and foreign origin. The three sections—*Gandavensis*, *Lemoinei* and *Childsi* are kept apart and distinct in the fields. In the true *Childsi* no yellows have thus far appeared, and whites are rare, but in the other sections both these colors are freely produced. Mr. Miller has one white of which he has great hopes. It is practically pure white and stays so, showing none of the pink tint with age which is found in *Augusta* and other standard whites and has from five to eight flowers open at a time.

Mr. Miller does not regard the cutting of the flower stalks as necessary to the welfare of the bulbs unless they start to set seed pods. All such are

amputated as soon as there is evidence of seeding.

A large space is given up to seedlings and young planting stock of lilies which, as is generally known, are a leading specialty with Mr. Miller. Of *tenuifolium* there are no less than 150,000 and of *Henryi* 50,000. *Elegans* is represented by many varieties, few of which can equal for sturdiness and beauty the variety Leonard Joerg which was raised and named by Hallock. Peter Barr is a recent *elegans* introduction which is still high in price. It is an orange yellow, brighter in color than any other yellow *elegans* except Alice Wilson which is a very weak grower. *Lilium davuricum* is fine as is also *Thumborgii Sanguineum*. Marhan is about all dead from disease, which is greatly to be regretted, as this is a very fine cross between Martagon and Hansonii with the color and odor of the former and the other qualities as in the latter. Hansonii is in the same predicament, being badly killed out by the fungous disease, a remedy for which is still unfound. Between the two white speciosums—*Kraetzerei* and *praecox*, Mr. Miller states that he sees no difference except in the color of the anthers and he agrees with the views of A. S. Burns, Jr., as expressed in these columns recently as to the difficulty of distinguishing between straight *rubrum* and "magnificum" as found in commercial stocks.

The present has been a bad season for lilies and there has been a very poor set of seed. Replying to a question Mr. Miller stated that he could see no difference in any respect between lilies propagated by offsets and those raised from seed.

Of callas there is a wide assortment—seedlings and otherwise. *Elliotiana*—which is still the best—Mr. Roosevelt, *Pentlandii* and other yellows are seen in quantity. *C. Rehmannii* is a very pretty little rosy pink flowered one. *Hastata* as seen here is diseased and not worth growing. Several oxalises make a gorgeous effect in long solid rows, *O. Deippi rosea*, with nodding pink flowers borne high above the massed foliage having the effect of a good bedding begonia. This with *O. lasandria* are valuable subjects for use in long borders especially on large estates.

Mr. Miller confesses to being a sort of "crank" on odd things, and devotes considerable room and time to a variety of bulbous material not often seen in nurseries. *Clidanthus fragrans*, which might be described as a yellow zephyranthes, but it does not flower very freely. There is also *Zephyranthes sulphurea*. *Z. candida* blooms profusely all summer until frost. Its hardiness is not yet proven, but as a hardy bulb it would be a great acquisition.

John Lewis Childs.

Although far removed from the well-known headquarters at Floral Park and the great central market of New York, John Lewis Childs' big new establishment at Flowerfield, Long Island, is well worthy of a visit and will fully repay the visitor for the time and trouble taken. It is under the charge of Leonard Joerg who has been eighteen years in the employ of Mr. Childs, and was previously with Hallock, Son & Thorpe for nineteen

years, and is looked upon as the best informed man on the gladiolus in this country.

Flowerfield is a seemingly boundless expanse of color; field after field all aglow with bloom. Mr. Joerg says "at least 150 acres of bulb plantations, mainly gladioli." After a drive around and among them one is not disposed to question his estimate. There are 800 acres all told in this vast flower and vegetable farm which was acquired only two years ago, the first planting being done a year ago last spring. A prodigious amount of work has been done within that brief time—clearing, plowing, planting, manuring, harvesting, road building, etc., and is still being prosecuted. Fifty-four men, Mr. Joerg says, is the full quota of help, which seems almost insignificant when the extent of territory covered and the excellent condition of everything are considered. Eight men are kept busy most of the time during the flowering season, cutting gladiolus stalks and getting them ready for shipment. From fifteen to twenty-four thousand spikes are shipped daily—mostly to New York. They are practically a "by-product," as the plants are grown for the bulbs, but the net income from this item averages one hundred dollars a day during the blooming season. The spikes are cut as soon as the lower buds are ready to open and before any flowers have expanded. The removal of the spikes is regarded as beneficial to the bulbs.

The new buildings on the place are an ornamental railroad station and a storage shed, 90x200, with cement walls and floor and a basement 40x90. Here the cut flowers are packed and shipped and extensive storage facilities for bulbs are provided. A glass-roofed building for storage and spring starting of roots such as cannas, etc., is now being erected. In the gladiolus section over 1100 named varieties are under cultivation. Many acres are also devoted to cannas, dahlias, montbretias, zephyranthes, crinum, tritomas, tigridias, ismenes, irises, etc. The culture of squash, cabbage, melons, lettuce, corn and many other vegetable crops for seed production is also extensively carried on.

AT WABAN CONSERVATORIES.

Alexander Montgomery is very much pleased with the performance thus far of his seedling rose, Virginia Burrage, which might be described as an improved Wellesley, having all the satiny pink lustre of that variety without its defect of excessive thorn production and being entirely free from "bull-heads." A quantity which will be immediately appreciated by the rose growing fraternity is the absence of any necessity for "pinching," all the growths being long and straight, and thus much labor and fully three weeks' time in bringing out a crop are saved. Mr. Montgomery has other seedlings going through their lessons which will be heard from later on. There is a double Richmond sport which should find a welcome when it is disseminated. Among the recent introductions the most charming of all is Lady Hillingdon. As grown here it is worth going a long way to see.

CLUBS AND SOCIETIES

MASSACHUSETTS HORTICULTURAL SOCIETY.

The general autumn exhibition of this Society was held at Horticultural Hall, Boston, on September 8, 9 and 10. It was extensive and fairly good as to dahlias, grand as to gladioli and magnificent in extent and quality of the fruit and vegetable displays.

The finest feature in the hall was the collection of orchard-house fruits shown by James Marlborough, gardener to Thos. E. Proctor, Topsfield, Mass. This superb exhibit of the gardeners' skill included, besides cut grapes and other fruits, potted trees of apple, pear and plum bearing ripe fruit. The tender grapes included Muscat of Alexandria, Mrs. Pearson, Golden Queen, Chasselas, Napoleon and others in whites, and Black Hamburgh, Black Alicante, Gros Maroc, Appley Towers, etc., in black. A gold medal was given this display. All the fruit classes were well filled with well-grown specimens and attracted much attention. Some of the finest apples and peaches ever shown here came from the extreme end of Cape Cod, where, a few years ago, it would have been thought impossible to grow peaches. Reverting to Mr. Proctor's display, special mention should be made of the *Adiantum Farleyense* plants, which Mr. Marlborough used as a decorative adjunct. There were half a dozen specimens in 12-inch pots which were as luxuriant and beautiful as any grown under the high temperature culture usually followed, but which stood without being affected in the slightest degree by the cold draughts from the doors near which they were located because of the cool temperature in which they had been grown.

The dahlias were as usual shown in great numbers, but there were few novelties and little evidence of advancement over existing varieties. The quality throughout was not remarkable as compared with the displays of recent years, the peculiar weather conditions having been, no doubt, responsible for this fact. The principal prizes were won by J. K. Alexander, W. D. Hathaway, W. P. Lothrop, Mrs. L. A. Towle, Forbes & Keith and Mrs. L. M. Towle. Certificates of merit were given to J. H. Flint for seedling Decorative Dorothy Flint and Forbes & Keith, seedling Cactus Rosy Pink; honorable mention to Geo. B. Gill for seedling Cactus Mrs. E. M. Gill and J. H. Flint for seedling Decorative Hetta.

B. Hammond Tracy showed a remarkably large and splendidly grown group of gladioli. The arrangement, which we believe was the work of Mrs. Tracy, was artistic and beautiful and the entire display was well worthy of the silver medal bestowed. Other awards were: Certificate of merit to Walter Hunnewell for *Laelio-Cattleya Gottoiana* var. *Wellesleyensis*; honorable mention to Mrs. Frederick Ayer for *Cibotium Schiedei*, R. & J. Farquhar & Co. for exhibit of lilies and B. Hammond Tracy for *Gladiolus primulinus*. Also a certificate of merit to James S. Bache for seedling tomato, *Bache Abundance*.

The Farquhar exhibit comprised

mainly *Lilium auratum*, Henryi and leucanthum. It might be well to state here that this last named lily has been known both as leucanthum and leucanthemum. It has now been decided by the proper authorities that leucanthum is the better form, and that name will consequently be used henceforth.

Special Vegetable Exhibition.

On September 21-24, inclusive, an extensive vegetable exhibition will be held at Horticultural Hall. In addition to the premiums offered by the Massachusetts Horticultural Society, \$500 has been contributed in prizes by the Boston Market Gardeners' Association. The prizes for collection of twenty kinds of vegetables are \$100, \$60, \$40 and in this, as in other notable classes, lively competition is assured.

CHICAGO FLORISTS' CLUB.

The regular monthly meeting of the Chicago Florists' Club was held Thursday, September 7th, at the Union Restaurant, President Philpott in the chair. There was a large attendance and nine applications for membership were filed as follows: Dominick Freres, Paul Weiss, Arthur Schmidt, Henry Meyer, Paul Amling, Wm. Berschof, Walter Amling, Wm. Lorman, W. H. Mann.

Allie Zeck, chairman of the sports committee, reported that the new Bessinger alleys had been secured for the season and all further arrangements for the winter's bowling were left by vote of the club to the sports committee. A report of the Baltimore convention was made by Geo. Asmus, who also recommended a letter of thanks to the Baltimore Club. After some discussion it was voted that all committees for the entertainment of the S. A. F. in Chicago in 1912 should be appointed by the club president and read at the next meeting. A. T. Pyfer, A. Zeck, A. C. Kohlbrand, H. N. Bruns and E. C. Amling were appointed a committee to provide entertainment for the next meeting, October 5th, which will be in celebration of the 25th anniversary of the club, which occurs November 3. It was also voted to have a banquet, October 5th, which should include the ladies. C. W. Johnson was appointed manager of the Chrysanthemum Show to be held by the club on November 2nd.

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The next regular meeting of the Club will be held at Horticultural Hall, Tuesday evening, September 19, at 7.30 o'clock. There will be no regular speaker, but several members, including Thomas Pegler, T. J. Grey and W. J. Collins will give short accounts of recent European trips. As there is considerable business of importance to transact the hour set for the meeting is earlier than usual.

It is desired to have a short session and join with the Vegetable Growers' Association of America whose convention opens at Horticultural Hall the same evening, and which the Club is invited to attend. It is hoped there will be a large attendance at this meeting. W. N. CRAIG, Sec.

NEW YORK FLORISTS' CLUB.

The opening meeting of the New York Florists' Club for the season was held on Monday evening, Sept. 11, at the Grand Opera House and was attended by a representative assemblage of about sixty members. The recent death of their fellow member, John Birnie, was a leading topic. President Nugent spoke in kindly vein in memory of this useful and loyal man and was followed by C. H. Totty who read the report of the committee appointed to present resolutions, the members standing during the reading. Messrs. Berry, Bunyard, Weathered and others added words of tribute and it was voted to have a copy of the resolutions engrossed and sent to Mrs. Birnie. J. Austin Shaw read resolutions on the death of Charles R. Armitage and H. A. Bunyard on the death of the little daughter of Charles Schenck.

Resolutions of thanks were passed to the Society of American Florists and the Gardeners' and Florists' Club of Baltimore for kindness and sympathy displayed on the occasion of Mr. Birnie's death and to the latter club for hospitable entertainment extended throughout the convention. A motion was passed authorizing the exhibition committee to purchase tables and vases for the club's use.

F. H. Traendly reported for the transportation committee, mentioning particularly the courtesies extended by the B. & O. R. R. on the Baltimore trip.

The question of the next National Flower Show was brought up by F. H. Traendly, with the statement that the New Grand Central Palace will be the finest hall in the country for such an exhibition, and recommending that the New York Florists' Club get in first with an invitation to the S. A. F. Flower Show committee to hold the next show in New York in 1913. R. M. Schultz, C. B. Weathered, W. C. Rickards, H. A. Bunyard, R. E. Berry, W. J. Elliott and others followed with enthusiastic approval of the proposition, and a motion extending the invitation accordingly offered by C. H. Totty was unanimously carried.

On the exhibition tables were 33 named varieties of gladioli from John Lewis Childs, conspicuous among which were the following varieties: Cardinal, Wm. Falconer, Scribe, Baron Hulot, Blanche, Spot, America, Dawn, Attraction, I. S. Hendrickson, Dorothy, Burnham, Princeps, Sulphur King, Sunshine, Triton and Pfizer. From E. S. Miller came Fascination, White 88 and several other seedling gems under number. From Frank Banning, Kinsman, O. there were Panama and No. 1900 a fine red seedling. Wm. Tricker showed pot plants of *Vinca minor aurea*. The awards committee gave cultural certificates to Messrs. Childs and Banning and vote of thanks to the others. As a mark of respect to the late John Birnie an early adjournment was taken.

NEW JERSEY FLORICULTURAL SOCIETY.

After an intermission of two months the New Jersey Floricultural Society held their regular monthly meeting, Friday evening, September 8th, in Lindsley Hall, Orange. This being gladiolus night, John Lewis Childs, Floral Park, L. I., offered a silver cup for the best 24 spikes of gladiolus, four or more varieties, which was won by Charles Hathaway, gardener Max Schneider. A. B. Jenkins, gardener Fritz Berglund was second. William Tricker was present with a fine collection of outdoor roses, *Buddleia variabilis magnifica*, and *vinca minor aurea* which attracted a great deal of attention.

John R. Le Count of Maplewood, N. J., donated a handsome silver cup. It will more than likely be competed for at the chrysanthemum show in November. The Society will hold their annual dahlia show afternoon and evening, September 30th.

The judges, George B. Wilson, Charles W. Ashmead and Arthur T. Caparn made the following awards:

Brasso-Laelia Veitchii, Lager & Hurrell, 92 points; *Dendrobium formosum*, Thomas Jones, 85; Dahlias, Fritz Berglund, 70; Asters, Max Schneider, 86. Cultural certificates to Lager & Hurrell for orchids, and Max Schneider for fruit. First class certificate to Wm. Tricker for outdoor roses and rare plants. WM. REID, Sec'y.

Orange, N. J.

WESTCHESTER AND FAIRFIELD HORTICULTURAL SOCIETY.

At the meeting on Friday evening, September 8, the exhibition committee reported on final schedule for the fall show and have provided many classes for the large and small growers with substantial prizes for both. Three honorary and two active members were elected and eight propositions accepted. B. W. Popp gave interesting talk on his experience with the culture of dahlias. J. M. Brown, honorary member, entertained with a review of his recent three months' trip through Great Britain. M. C. Ebel of Madison, N. J., was present and spoke about the National Gardeners' Association and Morris County Horticultural Society exhibition this fall.

The judges awarded cultural certificates to P. W. Popp and A. Whitlaw for dahlia displays, vote of thanks for a seedling *Lælio-Cattleya* from Carrillo & Baldwin and highly commended a display of apples from Alex Geddes.

J. B. McARDLE, Sec'y.

THE BERNARDSVILLE SHOW.

The second annual exhibition given by the Horticultural and Agricultural Society in the Auditorium, September 6-7, was a complete success in every way. Competition was very keen, particularly in the classes for cut flowers and vegetables. The judges, Messrs. Arthur Herrington of Madison, Jos. O'Brien of Mount Kisco, Wm. Walls of Katonah, Robert Seymour of Bernardsville, gave entire satisfaction. The numerous entries made the work of judging hard and the excellent quality of both vegetables and fruit

was very gratifying, especially when the dry season is considered.

A feature of the exhibition was samples of field corn of the Long-fellow variety, with stalks 14 feet long carrying ears that measured 16 inches in length, grown by Wm. Elias, superintendent for M. P. Bliss.

The centre of attraction in the hall was a mound of *Dendrobium Sanderæ* with foliage plants, a splendid group staged by Wm. Duckham, gardener at the James estate, Madison, and an easy winner for the prize offered by Lord & Burnham Co.—a gold watch.

M. Linton, gardener to M. P. Bliss, was first in cut flowers with a fine collection of lilies, dahlias and annuals. W. A. Manda, South Orange, N. J., staged a choice collection of foliage plants, not for competition.

CINCINNATI FLORISTS' SOCIETY.

A well-attended meeting of the Florists' Society was held on Monday at the club rooms in the Flower Market. An invitation from the Chicago Florists' Club was referred to the secretary and the secretary of the bowling club to find out the number of members who would attend and see if a bowling team could be obtained for a tournament there. The Flower Show committee reported that they had everything well in hand and stated that they would like to know if possible, what prospective exhibitors intend to stage. Immediately before adjournment Al. Heckman on behalf of himself and the other four men, viz., C. E. Critchell, Capt. Wm. Schumann, Al. Horning and R. C. Witterstaetter, who formed the team that represented Cincinnati at the recent convention at Baltimore, presented Chas. H. Hoffmeister with a silver shaving set as a token of their appreciation for his part in getting the team together to go East and for his successful management of the outing and bowling the past year.

CLUB AND SOCIETY NOTES.

On Friday, September 8, Christopher Clarke of Northampton entertained a party of members of the Eastern Branch of the American Association of Park Superintendents at the Summit House on top of Mt. Holyoke, Mass.

The annual meeting of the Bar Harbor Horticultural Society was held Thursday evening, Sept. 7, in the Main street store of the Mt. Desert Nurseries, when the following directors were chosen for the coming year: Hon. Francis Burton Harrison, John H. Stalford, Clarence E. Dow, Edward Kirk and A. E. Chilman. At the meeting of the board of directors, held immediately afterwards, the following officers were elected: Hon. Francis Burton Harrison, president; Louis B. McCagg, first vice-president; William Miller, second vice-president; William T. Burton, third vice-president; Charles Shand, recording secretary; Clifford F. Came, financial secretary; William T. Burton, treasurer; and John H. Stalford, sergeant-at-arms. The reports of the officers and standing committees were all very satisfactory and showed an excellent condition of the affairs of the association. There are now 160 members in good standing.

DURING RECESS.

Chicago Bowlers.

The Chicago Florists will open the bowling season Sept. 27th, at the new Bensinger's Alleys, 29 W. Randolph street. The new place is very desirable, having a seating capacity of 500.

New York Bowlers.

On Monday afternoon, September 11, previous to the meeting of the New York Florists' Club the following scores were recorded:

Manda,	144	176	Ebel,	129	125
Scott,	118	126	Roehrs,	112	106
A. Rickards,	147	109	Shaw,	...	109
Chadwick,	177	158			

St. Louis Bowlers.

Reports have been making the rounds that a bowling league will be organized composed of the employees of the four wholesale houses and the four bosses, Messrs. Kuehn, Smith, Berning and Augermuller will be asked to donate prizes and assist them in organizing the teams. Those eligible are: Will Ossick, G. Schriefer, P. Patton, Al. Gums, Arthur Meyer, H. Schlechter, Fred. Alves, F. Windler, Otto Bruening, Oscar Kuehn and Wm. Mitthoefer. This will promote good fellowship and a pleasant time at least one night each week.

Bar Harbor Outing.

The annual field day of the Bar Harbor (Me.) Horticultural Society was held on Sept. 5, at Robin Hood Park and there was a big attendance of gardeners and their wives and families. This event has been a regular one looked forward to with expectation by the club members and everybody was out for a good time. A programme of all sorts of sports was arranged and the speedy as well as the muscular had an opportunity of proving their prowess. Last year the sports were held at Eden, but this year it was decided to hold the affair a little nearer home.

ST. LOUIS NOTES.

Alex Johnson, the Wellston florist, has added two new greenhouses to his already large plant. He is using his cut at his Wellston retail store.

Miss Matilda Meinhardt has returned from her summer trip in Europe. The Ladies' Home Circle of which she is secretary, met in her honor at Chautauqua, Ill., on Tuesday, Sept. 12.

A young man by the name of E. R. Methudy reports that he will start to build a greenhouse plant on his 65-acre ground in St. Louis County with at least 20,000 feet of glass for a starter. Mr. Methudy's present address is 5943 Eastern Ave.

Andrew Frick, foreman at the C. Young & Sons' greenhouse plant on Waterman Ave., shot and killed himself and wife one day last week. It is said that he was crazed by the heat. They leave five children. They came here from Paducah, Ky., a few years ago.

Harry Young & Son will open a retail flower store at 4651 Maryland Ave. Mr. Young was until recently connected with the firm of C. Young & Sons at the greenhouses. He is treasurer of the St. Louis Horticultural Society and well-known in local trade circles.

DECORATIVE STOCK AT DREER'S.

It having been whispered that there were many new and interesting things to be seen at Dreer's that the readers of HORTICULTURE would be glad to hear about, we put a pedometer in our jeans, took Sawbones Lane along as a germ protector, and tackled the job. After six hours of strenuous work, tagging after Mr. Betz, the pedometer burst, and the doctor had arrived at the saturation point. One of the first vistas to greet us was a block of fifty thousand *Areca lutescens* three plants to a pot—a bigger one in the center. It developed in the course of conversation that the best demand for areca is in the southern states. It seems to fit conditions down there better than any other variety, but it is not so popular in the north as formerly.

A good idea of the relative importance of *Kentia Belmoreana* and *K. Forsteriana* may be gleaned from the fact that here we find the former in three-inch pots two million strong, whereas the latter is only grown about one-eighth as many, or one-quarter million. *Belmoreana* is the popular palm idol of the day, and a close second is the dainty *Cocos Weddelliana*, a block of which covering some twelve thousand square feet of space, was a sight to make one dance with pure joy. Like all the palms at Dreer's these are clean foliaged, shiny and perfect. Last year's seed came up well, quite a contrast to two years ago, when, out of a lot of two hundred thousand seeds, only seventy-five plants resulted. The regular expectation is from sixty-five to seventy per cent. It is surmised that the trouble two years ago lay with the unconscionable scoundrels in Buenos Ayres, shipping old seed; or else that the seed got damaged on the steamer. The Dreers have one block of three hundred thousand this year (in addition to the stock mentioned above) being grown along, and strictly reserved as a nucleus for next year's sales.

Now come eight more houses—a vista of *Belmoreana*, *Forsteriana* and *lutescens*—six, seven, nine-inch, many in tubs—they look better in tubs although they don't seem to cost any more. We saw some nine-inch *Forsteriana* with a fine spread and good finish, for only four dollars. Again, as showing how values go, we saw splendid arecas in seven-inch pots for two dollars that would appeal to the ordinary observer as easily worth five. And there are still other houses of palms, big specimens—the ten to twenty-five dollar kinds.

Now we move out of the palm groves and strike into other scenes, the first being something we can't see the sense of until it is carefully explained to us, an acre or so of roses in pots, big plants, 2-year, 3-year or as maybe. But why under glass? Why not out in the open field, getting ripened up? The explanation that they can be better handled; that they are moved outside by and by and get frozen, and then come back again under glass for spring sales may be all right; but to our dense understanding there seems something more to be explained. There are all kinds of them: Hybrid Teas, Bourbons,

Ramblers, Remontants; and we get a nice bunch of bloom to take home on the train. But we are not at all satisfied in our own minds that we have this thing down fine. One must dig sometimes and be even rude in questioning to get anywhere. We saw our old friend *Gloire de Dijon* and are told that this one does well here as an outdoor summer rose, but that *Marechal Neil* under similar conditions is no good.

Pot-grown *Hiawatha*, *Dorothy Perkins* and all the other popular Rambler varieties are here in trained specimens, four to eight feet, and in all shapes. We can readily understand the reason for these being in pots and in frames, as they are obviously intended for winter and Easter forcing and are no doubt much better than outdoor stock for that purpose.

We glance in passing at a block of fifteen thousand thrifty giant-flowering cyclamen under slats, that are being grown on for Christmas. They are Dreer's own strain seed saved from selected plants—the kind that George D. Clark would describe perhaps as the "unsurpassable."

The *Araucaria* department is partly in the open—that is, the structures are not greenhouses but composed of lath giving partial shade and plenty of air; 75,000 in one block—*excelsa*, *excelsa glauca*, *robusta compacta* and *plumosus*. We are invited to pick out which we would prefer as between *robusta* and *plumosus* and were unlucky enough to prefer the wrong one. *Plumosus* is the deeper green, while we preferred the lighter green of *robusta* we were assured that that is not the general verdict—just the opposite, *plumosus* being by far the best seller and comparatively scarce on that account.

Camellia japonica—a nice lot well set with buds. This old favorite of fifty years ago is regaining some of its ancient popularity, and the demand the past few seasons has been quite considerable. *Begonia Duke Zeppelin* and *Lafayette* are flowering profusely in frames at present. They are the leftovers of these magnificent bedding varieties from spring sales and are making fine stock for next season.

Now we come to a few frames of ferns that are the special pride of James Clark, the fern expert.

Todea Africana is not new, but a species whose value as a house plant has not until recently been recognized. It is especially pretty as here seen in six-inch pans as a table fern, of a rich, deep green color, and when produced in quantity should also prove valuable as a dish-fern in small sizes. *Scolopendrium officinarum undulatum* is a variety of the evergreen British Harts-tongue in which the foliage is deeply undulated or wavy. It is a favorite in a shady corner of the rockery and perfectly hardy but as grown here in four or five-inch pots, it should find a place among decorative ferns and will make a fine subject for window boxes for the winter in a protected position.

Dracena fragrans, *Massangeana*, and *Lindenii* show up in large blocks and in fine condition. *Cocos flexuosus* is a very graceful plant. There is considerable demand for it for decorative purposes and it is grown here quite extensively. This variety and *plumosus* are used in Florida and California for outdoor planting. *Kentia Sandariana* we find in limited quantity.

This is a dwarf grower of elegant and graceful habit. Beautiful bright green. Rather high-priced as yet but desirable as a novelty where something extra choice is wanted.

Returning to the fern kingdom, passing a house of *Adiantum Farleyense* we now come to the sensation of the visit which our guides have evidently been holding back until the last minute—*Adiantum Farleyense*, *Glory of Moordrecht*. The despair of the fern growers of the world heretofore has been to get *Farleyense* to seed. How this clever Dutchman at Moordrecht managed to find one that did—nobody knows. We compared *Glory* with *Farleyense* in all stages and it is absolutely the same—only it gives fertile spores, and that is a fact of immense importance. We can now have this recognized aristocrat of the fern family by the million. The first importation of plants received at Dreer's last summer seeded nicely and by next spring they will have at least twenty thousand young plants out of one small batch. This variety is known as the *Glory Fern* in London and other places (*Adiantum Farleyense gloriosa*) but it is the same thing—*Glory of Moordrecht*. All the good things that have been said of it we believe to be quite true and well authenticated by Mr. Clark and other fern experts. The *Glory of Moordrecht* is undoubtedly the fern sensation of the day. The sporty *Nephrolepis* has held the center of the stage these many years, but the new and brilliant star outshines it in all directions.

Another sensational new thing—only in a slightly lesser degree than the *Glory Fern*—is the *Cyrtomium Rochfordianum*, a crested form of the old favorite, "Holly Fern." Last spring what few plants were to offer in 8-inch pots were quickly disposed of at \$5 each and many more could have been sold. The pinnæ are deeply cut and undulated and the color is also much deeper and glossier. It is excellent, not only for fern pans but also for specimens. We understand that by the 1st of November a splendid batch will be ready in six-inch pots that can be offered as low as a dollar each. Of *Cibotium Schiedei* here there must be nearly an acre. We never saw so many of this magnificent decorative fern together before and they were worth going a long way to see.

Ananas sativa variegata is a name easily remembered—it sounds so like *Ananias*. Of course this is the variegated pine apple, and a splendid batch of several thousand plants are to be seen here. This pine apple in richness and variety of coloring far outshines *Pandanus Veitchii* and the only reason it has not been the leader was the higher price. But that is past now. Fine plants in from four to six-inch pots are offered at from 50 cents to \$1.50 this year.

Many more things we saw in ferns and foliage plants—*alocassias*, *marantas* and so forth, but our story is already long enough and we must regretfully bid good-bye to a most engrossing topic with which we could fill several numbers of HORTICULTURE. Peonies, phloxes and Japanese iris are now going out by the million. Our field days on these ought to have come earlier.

GEORGE C. WATSON.

Dreer's Imperial Japanese Iris

Our stock of these beautiful Japanese Iris is not only the most extensive in the country, but is also the largest assortment of home grown varieties offered and can be relied upon to be true to name and color.

September and October are the best months to plant. We supply strong liberal divisions of the most satisfactory planting size.

DOUBLE FLOWERING OR SIX PETELED JAPANESE IRIS

- No. 3 **Kosul-No-Iro.** Light violet with white veins.
 4 **Yomo-No-Umi.** A fine free flowering early double white.
 5 **Koki-No-Iro.** Rich royal-purple with white veinings.
 8 **Taiheiraku.** Ten petals, crimson-purple with yellow centre.
 20 **Kuma-Funjin.** Silvery-white, with a broad border of magenta-lilac veined with white.
 22 **Sano-Watashi.** White, with canary-yellow centre.
 24 **Gosetsu-Mai.** White, veined and traced throughout with aniline-blue.
 26 **Uchiu.** Bright purple with crimson sheen.
 44 **Yoshimo.** Very large flower; creamy-white, delicately veined with violet.
 47 **Renjo-No-Toma.** Petals peculiarly fluted, light violet with white halo and light veinings.
 49 **Wakamurasaki.** Crimson purple with dull lilac shadings at base of petals.
 57 **Hodai.** Silvery-gray, suffused and densely veined with violet purple.
 58 **Mama-Dsuru.** A fine, late flowering white.
 65 **Ho-O-Jo.** Rich velvety-purple with crimson sheen.
 68 **Fuji-Mine.** White, veined with deep purple.
 69 **Waku-Hotel.** Pure white, veined throughout with purple; fine late flowering variety.
 71 **Geishol.** Eight to ten petals; bright crimson-purple with white veinings; full double flower.
 72 **Uji-No-Hotaru.** Bright violet-purple, shaded blue.
 91 **Kan-Kan.** White; densely veined with rich violet-purple.
 95 **Raiden.** White ground, densely dotted and blotched violet.
 105 **Nagano.** Rich violet-purple, shaded with blue.
 108 **Shimosa.** White ground, minutely and densely spotted throughout with bright violet-purple.



SINGLE FLOWERING OR THREE-PETALED JAPANESE IRIS

- No. 1 **Iso-No-Nami.** Silvery white, veined with violet.
 2 **Tora-Odori.** White, faintly traced with violet.
 6 **Dute-Dogu.** Rich violet purple with metallic sheen.
 11 **Hano-No-Nishiki.** Bright violet-purple, veined with white.
 12 **Shippo.** Light lilac; densely veined with purple.
 15 **Gekka-No-Nami.** A very early pure white.
 18 **Meiran.** White, densely marbled and veined with light-violet.
 23 **Yedo-Kagami.** Magenta lilac, veined with white.
 43 **Shi-On-Kyo.** Greyish white, deeply and densely veined and suffused with violet.
 62 **Misumoshito.** Violet purple, marbled with white.
 67 **Kigan-No-Misao.** A late flowering pure white.
 70 **Kimi-No-Megumi.** White, densely veined with purple; late-flowering variety.

- No. 73 **Shirataki.** Silvery-white, border of petals suffused with light Parma-violet.
 76 **Mine-No-Yuki.** White, veined and dotted throughout with violet-purple.
 77 **Yayaura.** White, occasionally marbled with light violet.
 80 **Bunbudo.** Bright violet-purple with darker veinings.
 82 **Ari-Ake.** Violet purple, marbled with white.
 96 **Tebotan.** White ground, with prominent violet-blue veinings.
 97 **Shiro-Fungen.** Light ground, suffused throughout with bluish-violet.
 98 **Osakazuki.** Light violet mauve with lilac shadings.
 99 **Komanyo.** Bright violet, shaded with blue, numerous white veins and markings.
 100 **Yomo-Zakuru.** Light ground color, densely veined and suffused reddish-purple.

Price, any of the above named varieties, \$1.25 doz.; \$8.00 per 100; \$70.00 per 1000.
 Unnamed mixed varieties 85 cts. doz.; \$6.00 per 100; \$50.00 per 1000.

For the most Complete List of Hardy Perennial Plants as well as all other Seasonable Stock
 See our current Wholesale List issued September 1st.

HENRY A. DREER, Inc., 714 Chestnut Street, Philadelphia, Pa.

The above prices are intended for the trade only.

NEWS NOTES.

Des Moines, Iowa.—J. W. Rudebeck, 3523 University avenue, is no longer in business.

Melrose Highlands, Mass.—The Tuttle greenhouses have been purchased by Charles Rapp, who intends to make a specialty of carnations.

Fort Wayne, Ind.—A three-eighths interest in the greenhouse of Ernsberger & Moses has been purchased by Dale Moses. E. S. Moses will continue the management. This firm are

wholesale growers of flowers, cucumbers and lettuce.

Terre Haute, Ind.—The greenhouse property of Otto Heini has been purchased by Thos. Stevenson, who took possession August 31. Mr. Heini has accepted a position as superintendent of a section of fruit land at Hermiston, Ore., and has purchased land for raising apples.

Oakland, Cal.—While running his automobile at a high speed near Cornwall, endeavoring to deliver an order

on time, J. Campiano, florist, and his companion were thrown out by the breaking of a pin in the steering wheel. Neither was much hurt, but the flowers were not delivered.

Sheridan, Wyo.—A half acre tract of land on Beaver street near Pioneer Park has been purchased by the recently organized Sheridan Greenhouse Co., upon which they will erect a greenhouse plant. Additional ground for a nursery will be purchased later. The members of this firm are S. L. Caple and H. A. Loucks.

Obituary

Lewis Chase.

Lewis Chase one of the pioneer nurserymen of Rochester, N. Y., and head of Chase Brothers Company, died at his home on Sept. 7. Mr. Chase was born January 22, 1830, at Chase Mills, Me. He began the nursery business in Maine in 1857 with two brothers, Ethan A. and Martin Van B. Chase, and in 1868 he and his brother Ethan went to Rochester, leaving Martin in charge of the Maine establishment.

Here the two brothers were pioneers in the establishment of nurseries along with Patrick Barry and George Ellwanger, the original members of the firm of Ellwanger & Barry. In 1878 Martin Chase retired from business, leaving affairs of the firm to the management of his two brothers, who soon took out a certificate of incorporation under the firm name of Chase Brothers Company. At the time of the incorporation Lewis Chase was elected president of the company, which office he retained until his death. In 1895 Ethan Chase sold his interest in the firm and moved to California, leaving his brother, Lewis, as the only original member of the firm.

On September 6, 1855, at Sidney, Me., Mr. Chase married Edwina G. Dyer, who died May 5th of this year. Five children, two of whom died in infancy, were born to them. There are still living three children, Charles H. Chase, Mrs. William Pitkin and Mrs. Arthur H. Dudley, all of Rochester—ten grandchildren and two great-grandchildren. Mr. Chase was a member of the American Pomological Society, American Association of Nurserymen and several other trade organizations.

Francis O. Canning.

Francis O. Canning, aged 44, of Villa Nova, Pa., died on Sept. 1st from accidental poisoning by mushrooms. They were gathered by one of the men employed under him and given to his wife to cook without his looking them over. Few gardeners knew the edible kinds better than he.

Deceased was born in England and served his apprenticeship in the gardens of the Duke of Rutland, Belvoir Castle, Grantham. He came to this country twenty-two years ago and for six years was in charge of the propagating and plant houses at Fairmount Park, Philadelphia, Pa. He was then engaged as superintendent of S. T. Bodine's estate at Villa Nova and after serving there some six or seven years was called to be Instructor of Horticulture at the Mass. Agricultural College, which position he held four years. He then returned to Villa Nova in the same capacity, as superintendent of Mr. Bodine's magnificent gardens and grounds until his untimely death. The funeral was held in the Church of the Redeemer, Bryn Mawr, and was largely attended. Interment was in Westminster Cemetery.

He is survived by his wife, a sister and his brother, Edward J. Canning of the Botanic Garden of Smith College, Northampton, Mass.

Linnaeus Cox.

Linnaeus Cox, grower of carnations and roses at Wissinoming, Philadelphia, died on September 7th, aged 45. Mr. Cox was highly respected by all who knew him and was an all-round good citizen. His widow will continue the business. Three new Lord & Burnham houses are in course of construction, 140 x 28, as an addition to the place. It is not thought that the passing away of the proprietor will alter the plans he had laid out. (See HORTICULTURE, March 25, page 416.)

E. R. Meserve.

E. R. Meserve, of the Los Angeles Flower Market, Los Angeles, Cal., died on August 31st, aged 42 years. He was a native of California and had for some years grown greens for the Los Angeles market. With Charles Morton last October he opened the Los Angeles Flower Market, which business will be continued by Mr. Morton. He leaves a wife and two children. The Los Angeles Flower Market was closed from Thursday until Sunday.

Patrick Maier.

Patrick Maier, well known as a florist at Woodville, Pa., for the past fifteen years, died on September 3rd of cancer. He leaves a widow and seven children.

ROOT-GRAFTING STRAWBERRIES.

Editor HORTICULTURE:
I wrote you last year regarding an experiment I made in root-grafting of strawberries. You advised testing it still further. I have done so, with similar results. You may remember that I grafted together two pistillates and the plant lived and bore several berries. After bearing I lifted the plant and set it in another place where it blossomed and fruited again and made several runner plants. This spring both parent plant and runner plants blossomed and fruited, but the exceedingly dry and extremely hot weather injured both plant and berries. It has proved to be a fall-bearing variety, but I cannot say much in its favor. There are fall-bearing varieties that far surpass it. Yet the novelty and what is very difficult to understand—is that the plants grafted were both pistillates and the plant resulting is a staminate. Last August I grafted the same varieties—Fendall and Autumn—and again the plant produced is a staminate, and is now in blossom, although not put out until after fruiting season. I grafted several other varieties and they bloomed and fruited, but at the time I was ill and cannot say what the fruit was like. The plants are doing well, but I must wait until another fruiting season for results. In one case, however, Fendall pistillate and Pan American staminate were grafted together and the plants produced are fall-bearing, and are at present in bloom with fruit, both green and ripe. They, too, will require another season for perfect results.

I cannot say that any advantage over old methods will grow out of it. The method is new, however, and to me interesting. There is much to be learned—the best varieties to graft, the best method of grafting, the best time to graft, spring or fall, and if of any real value to berry producers,

and whether the same method can be applied to other products. I am too aged and feeble to do much in any direction. Possibly others may become interested and take it up.

DR. J. H. THOMAS.

Wyoming, Del.

PERSONAL.

Harry A. Bradt, formerly with F. A. Danker, Albany, N. Y., is now employed by Mark Aitken, Springfield, Mass.

Gustav Noack, florist, Bank Street, Batavia, N. Y., and Miss Adelaide C. Beye of Rochester were married on August 23.

D. Cameron, American representative of F. Sander & Son, St. Albans, Eng., will sail for New York on September 20.

Phil. Kessler of New York has gone to the White Mountains, accompanied by John Donaldson, for relief from his annual visitor, hay fever.

Jackson Dawson of the Arnold Arboretum starts for Halifax, Nova Scotia on Friday of this week and expects to spend a fortnight in that neighborhood.

Announcement is made of the marriage, on September 6, of Gertrude Izette Roy, daughter of Mr. and Mrs. David F. Roy, to Wm. Edmund Hooke, at Marion, Mass.

A. T. Boddington is again at his desk in New York and hustling business along after his vacation, which was somewhat of a discouragement owing to the seven days' rain which it included.

Michael F. Ruane, florist, 121 Moody street, Waltham, Mass., while coming out of Plymouth Cottage, Lake Boone, on September 9, slipped and broke his leg. He was taken to the Marlboro hospital.

John Medernach, the aged florist in the employ of the Lehigh Valley Railroad, at Allentown, Pa., stepped on a piece of glass recently and sustained a gash on his foot which required five stitches to close.

John J. Connolly, formerly for a number of years head gardener to W. O. Blake, Hingham, Mass., and for the past four years in the employ of the late Geo. H. Morgan, Lenox, Mass., has accepted the position of head gardener in charge of the greenhouses and gardens of Mr. J. Henry Hammond, Mount Kisco, New York.

Visiting Boston—Sir Frederick Moore, curator of the Dublin Botanic Gardens at Glasnevin, Ireland, arrived in Boston on the Franconia, September 13, to study American horticultural conditions and will spend the next few days in Boston giving particular attention to the Arnold Arboretum.

New York visitors.—J. C. Vaughan, Chicago; Robert Craig, Philadelphia; H. A. Barnard, representing Stuart Low & Co., England; E. Allan Peirce, Waltham, Mass.; Louis J. Reuter, Westerly, R. I.

Monrovia, Cal.—C. A. Brunger, formerly of Washington, who came to Monrovia after severing his connection with the Agricultural Department, has bought out the Floral Company of Los Angeles and opened a branch store at 337 South Spring street in Los Angeles, where he will dispose of his wares from the large nursery he has established in this city on East Greystone avenue.

PRIMULA MALACOIDES

"The Glorified Baby Primrose,"

Offered for the first time in America. This variety will continue sending up a succession of blooming spikes (color, beautiful lilac), giving the appearance of a shower of blooms.

The individual flowers are much larger than P. Forbesi and infinitely more freely branched. It is highly recommended either for cut flowers or for plants, which sell readily on sight. Per trade pkt., \$1.00; ½ pkt., 60c.

Our Fall Bulb Catalogue of Quality Bulbs, etc., now ready.
A post card will fetch one by return mail.

Arthur T. Boddington, Seedsman, 342 W. 14th St., New York

PHILADELPHIA NOTES.

The Leo Niessen Co. will move to their new building at 12th and Race Sts. on the 18th inst.

J. Liddon Pennock, Leo Niessen, Wm. Thompson, Raymond Kister and others made a congenial party in Mr. Pennock's "Winton Six" to the dahlia belt around Hammonton, N. J., on the 13th inst. Inspection of the dahlias was the principal object.

Albert Jones, of the Pennock-Meehan Co., has just returned from a three weeks' vacation—we look for business to boom from now on. Canada, Maryland, "York State," and Pennsylvania—successively—took up the attention of this keen hunter after the latest and best. For some time now, you may look for bargains—and the smile that doesn't come off.

Charles Moorby, lately a prominent figure in the retail and wholesale life of Philadelphia, has transferred his energies to the south. He is now in charge of the retail cut flower department of the J. Van Lindley Nursery Co., Greensboro, N. C. We recently had the pleasure of a visit from Mr. Moorby—accompanied by Paul Van Lindley—and the mutual exchange of greetings was heartfelt and sincere. We congratulate the firm on the acquisition of a first-class man.

Dr. John H. Washburn and Farmer Howard M. Earl gave a lunch on Thursday, Sept. 14th, at Farm School, Doylestown, to a select dozen of the wits, poets and philosophers of that great horticultural center, Dooner's, Philadelphia. Among the honored were Tom Daly, Dr. Bedloe, Louis Boss, Frank Dooner, George J. Brennan, C. Howard Reed, William Dooner, George C. Watson, John Gorman, W. Atlee Burpee and John H. Ainslee. The party made a day of it—the program including inspection of the Farm School and of Fordhook Farms, then lunch and, after this, the prize colliers, chickens and other horned cattle at both places were inspected. A delightful and memorable occasion. As for the hosts the fish they caught, the ducks they killed, and the potatoes they dug—were something prodigious—for this baker's dozen of guests! One would have imagined they all had appetites of the Dr. Samuel Johnson order.

Visitors: Messrs. Jones and Russell of the Jones-Russell Co., Cleveland, O.; Mr. and Mrs. James Brown, Coatesville, Pa., on a trip westward of from four to six weeks; P. Downs, representing Charles Allen, Fall River, Mass.; S. B. Dicks, London, Eng.; H. L. Holmes, Harrisburg, Pa.

ORCHIDS

Greatest quantity and variety in the country. Established and freshly imported. Also material in which to grow them.

Write for special list and catalogue.

LAGER & HURRELL, SUMMIT N. J.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World

**SANDER, St. Alban's, England
and 258 Broadway, Room 721
NEW YORK CITY**

ORCHIDS

**PLANTS and FLOWERS always on hand
ORDONEZ BROS.**

Madison, New Jersey

ROEHRS

**Orchids, Azaleas, Palms,
Lorraines, Crotons**

RUTHERFORD, N. J.

SPHAGNUM MOSS, 8 barrel bale dry	\$2.00
ORCHID MOSS, LIVE, barrel	.50
GREEN CLUMP MOSS, "	.75
GREEN SHEET MOSS, "	1.00
ORCHID FEAT, "	.75
LAUREL WREATHING, per 100 yards	\$3.00 and 3.50
NURSERY MOSS, per large cart	50.00

J. B. TOWNSEND, Berlin, N. J.

Headquarters for

FALL BULBS

Send for Trade List

John Lewis Childs

Flowerfield - LONG ISLAND, N. Y.

For Fall Planting

Lilium Tenifolium, Henryi, Hanson, Wallace and Davuricum; Elegans vars., Single and Double Tigers; Japan Tree Lilac; Delphinium formosum; Japan and German Iris; Daphne Cneorum.

Fall list ready in August.

**E. S. MILLER
Wading River, N. Y.**

Great Barrington, Mass.—Dolby Bros. have recently purchased two iron-frame greenhouses from M. Pendergast at Griswold Lodge Farm, and are rebuilding them on their place on Humphrey street.

Our position in the trade is somewhat like that of an umpire of a base ball game. We get cussed a good deal and of course, have some enemies, for no man can have friends without enemies. However, we go right along pounding stone and doing what we believe is right, whether it be for our own good or for the good of the hive in general. We make mistakes to be sure, but ultimately we hope to be better understood and want the good will of all. Now there is one secret we have and we're going to let you in on it. It's a sort of woman's secret though, and you know a woman has only two views of a secret—either it's not worth keeping or it's too good to be kept. Our secret is too good to keep so you may tell it to anyone you want, and it's just this, that Horseshoe Brand Lily Bulbs have honestly got most other brands skinned a mile. More care and labor is expended upon them than you have any idea of. Nothing that human hands can do is left undone to make them better bulbs. They are priced as reasonable as we can afford to sell them. Try them if you don't know them they are money-makers.

Prices upon application



Ralph M. Ward & Co.
12 West Broadway
NEW YORK CITY

Not How Cheap
But How Good

Cold Storage bulbs of various varieties ready for immediate or future shipment. Bamboo Canes on hand.

LILIUM FORMOSUM

The Ideal 'Lily for the Small Grower

Can be grown nicely in a carnation house, *but plant early* and let your stock come along as it will. Enough of them will flower at Easter, just when they bring the best price.

SPLENDID WELL-RIPENED BULBS ON HAND NOW. ORDER TODAY.

Size	No. to case	Per 100	Per 1000
6 to 8 inches	400	\$4.00	\$35.00
7 to 9 "	300	6.50	55.00
8 to 10 "	250	8.75	82.50
9 to 10 "	200	9.50	90.00
10 to 12 "	150	12.50	115.00

These prices are for the trade only.

WHOLESALE BULB CATALOGUE NOW READY,

HENRY F. MICHELL CO.

518 MARKET STREET

PHILADELPHIA



Seed Trade

Albuquerque, N. M.—A new packing shed with side track is being built for the Roswell Seed Co.

Latest advices are to the effect that on pea deliveries the European seed pea contractors will be able to do about 10 per cent.

There is a decided shortage of some kinds of tulips in Holland. Darwins are especially inadequate for the heavy demand this year.

Among the many garden seeds which are reported as scarce in Europe are the French radishes, of which American seed houses have been able to secure only light deliveries and in some cases none at all.

We learn that the present season of unparalleled drought which has swept over the British Isles has proved very trying to producers of vegetables. This scarcity was apparent at the recent annual show of the National Vegetable Society in London, also at an exhibition arranged in connection with the Smallholding Section of the Festival of Empire, Crystal Palace.

A western concern asserts that timothy ought to be half the price of clover. Why? What is the relative cost of production? To our mind timothy has always been too low. It is nearer its proper level now than at any time we can remember in the last thirty years. Why look aghast at fifteen cent timothy? We ought to call it reasonable at twenty—all other things considered. If there ever was

a case of getting something for nothing it has been timothy seed and lots of other seeds.

Many tulips have very tender skins this year, on account of the unkind weather in Holland. They should be kept in the bags as much as possible and not exposed to light and air more than necessary. Seedsmen who deal in bulbs are taking the precaution to advise their customers to this effect as careless handling resulting in scratching or bruising of the exposed bulb flesh is sure to cause decay and loss.

CATALOGUE RECEIVED.

E. S. Miller, Wading River, N. Y.—Trade Price-List of Bulbs and Hardy Plants for Fall of 1911. In another column we have given some notes on Mr. Miller's bulb farm at Wading River. This catalogue presents, in detail, lists of the lilies, irises, peonies, etc., grown there, and wholesale prices to the trade.

NEWS NOTES.

Watseka, Ill.—M. E. Wyatt has purchased the Wyatt greenhouse plant from his aunt, Mrs. S. M. Wyatt.

Loveland, Colo.—A third interest in the Northern Colorado Nursery has been purchased by J. W. Pulliam.

Central City, Colo.—Mrs. Morrison, proprietor of the Central City greenhouses, is succeeded by Mary A. Weisbeck.

Bloomington, Ill.—Bernard and Harry Hempstead will now carry on the business of their father, W. T. Hempstead, he having retired.

INCORPORATED.

Columbus, Ohio—Wagner Park Nursery Co., capital stock \$100,000. Incorporators, B. P. Wagner and others.

Chicago, Ill.—Adams-Robertson Co., general nursery business; capital stock \$5,000. Incorporators, Walter F. Butler, E. A. McClintock, William K. Robertson.

FOR GOLD FRAMES

STRAW MATS

6 x 6, - \$1.50, \$17.00 doz.

BURLAP MATS

6 1/4 x 6 1/4, \$1.20, \$14.00 doz.

WM. ELLIOTT & SONS,
42 Vesey St., New York

ONION SEED

We have a choice lot of new crop Silver Skin or Portugal, also other varieties. Write for prices.

SCHILDER BROS.

CHILLICOTHE . . . OHIO

GOLDWELL LAWN MOWERS

Hand—Horse—Motor

Known All Over the World

Catalogue on Request.

NEWBURGH, N. Y.

NEW CROP

MOORE'S SUPERB CYCLAMEN

(Williams' Giant Strain)

This famous strain of *Giganteum* varieties have large beautifully marbled leaves and stout flower stalks, throwing the enormous flowers of great substance and delightful fragrance well above the foliage, and cannot be excelled. Very profuse bloomers of striking beauty. Vigorous growers.

	100 Seed.	1000 Seed.
Giant White Swan, pure white.....	\$1.00	\$8.00
" Crimson Queen, very rich color.....	1.25	10.00
" Rosy Morn, Satin White, Crimson Eye	1.00	7.00
" Salmon Queen, pale pink.....	1.25	10.00
" Masterpiece, New, extra large flower, pink, red eye.....	1.50	12.00
" Fringed, white and rose.....	1.50	12.00
" Mixed, including the above and other fine sorts.....	1.00	9.00

MOORE SEED CO.
125 Market St., Philadelphia, Pa.
Please mention Horticulture when writing

PEAS, BEANS, RADISH } Write for Prices
and all Garden Seeds }

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

Wholesale
SEED GROWERS AND DEALERS

SEEDS, PLANTS, BULBS

All seasonable kinds of best
quality

Special prices on large lots

JAMES VICK'S SONS,
Seedsman
ROCHESTER, N. Y.

FINEST FLORISTS' SEEDS

Price list free on request

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

CHOICE BULBS

In great variety for present
planting—in-doors and out

THOMAS J. GREY CO.
32 South Market Street, Boston, Mas.

GIANT

English Cyclamen Seed—best strain, \$9.00
per 100. Pansy Seed—home grown, \$5.00
per oz. Mignonette Giant, greenhouse
forcing, \$5.00 per oz., 1/4 oz. \$1.00.

SKIDELSKY & IRWIN CO.
1215 Betz Bldg. Philadelphia

Burpee's Seeds
PHILADELPHIA

Blue List of Wholesale Prices mailed
only to those who plant for profit.



Florists and Seedsman Sell Your Own Scratch or Poultry Food

We will make it for you under your own brand for
\$33.00 PER TON

Send to-day for sample 100 lb. bag, \$1.75. Mr. C. E. Jensen of Atlantic Co., N. J., on Oct. 27, 1910, writes as follows:—I want to state that your three grades of Poultry Food; Chick Starter, Developing Food and "Square Deal" Scratch or Poultry Food stands without an equal to day. They are perfect mixtures and sound in grain and a pleasure to handle.

J. BOLGIANO & SON,
Importers and Wholesalers. Established for 92 Years.
BALTIMORE, - MD.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

CAULIFLOWER CABBAGE

MANGOLD, SWEDE, TURNIP
LILY OF THE VALLEY PIPS
HJALMAR HARTMANN & CO.
COPENHAGEN, DENMARK.

Farquhar's Flower Seeds for The Florist

Write for our Wholesale
Catalogue

R. & J. FARQUHAR & CO.
Boston, Mass.

Established 1820

*Thorburn's
Bulbs*

Wholesale Catalogue

NOW READY

Send for a Copy

Cold Storage Lily of the Valley Pips

HIGHEST GRADE

Cases of 1000 pips @ \$13.00 per case
Cases of 3000 pips @ 36.00 per case

J. M. THORBURN & CO.
33 Barclay Street
NEW YORK

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

Sphagnum Moss

In Burlap Bales; per bale \$1.00, 6 bales
for \$5.00, 10 bales for \$8.00.

Larger Lots at Lower Prices.

The W. W. Barnard Co.
108-110 W. Kinzie St., CHICAGO

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Aldine 880. Aldine 881. Aldine 882.

SAMUEL MURRAY

Kansas City, Mo.

913 Grand Ave.

All Orders Given Prompt and Careful Attention



WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of
TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP

96 Yonge St., - - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE

Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.

Members Florists' Telegraph Assn.

ALBANY, N. Y.

EYRES
Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

San Francisco, Cal.—Serveau Bros., florists, 128 Post street, are succeeded by E. Serveau.

South Norwalk, Conn.—Additions are being made to the plant of the estate of John H. Smith.

Detroit, Mich.—Miss Hattie Holzhauser, 20 John R. street, will remove to 37 East Grand River avenue.

Johnston, Pa.—W. Schrader has moved his flower store to larger quarters in the Conrad Building. Miss Margaret Schneider has moved to the quarters vacated by Mr. Schrader.

Detroit, Mich.—The Bemb Floral Co., Albert Pochelon, proprietor, is building a new store and conservatory. The store is four-story steel construction, and will be one of the finest in this section.

STEAMER DEPARTURES

American.

New York. N. Y.—Shampton...Sept. 23

Anchor.

Cameronia. N. Y.—Glasgow...Sept. 23

Atlantic Transport.

Minnewaska. N. Y.—London...Sept. 23

Cunard.

Franconia. Boston-Liverpool...Sept. 19

Lusitania. N. Y.—Liverpool...Sept. 20

Carpathia. N. Y.—Mediterranean...Sept. 21

Coronia. N. Y.—Liverpool...Sept. 23

Hamburg-American.

Bluecher. N. Y.—Hamburg...Sept. 19

Cincinnati. N. Y.—Hamburg...Sept. 23

Holland-America.

Ryndam. N. Y.—Rotterdam...Sept. 19

Potsdam. N. Y.—Rotterdam...Sept. 26

Leyland.

Winifredian. Boston-Liverpool...Sept. 23

North German Lloyd.

Kronpr. Cedric. N. Y.—Bremen...Sept. 19

Princess Irene. N. Y.—Mediterranean...Sept. 23

K. W. der Grosse. N. Y.—Bremen...Sept. 26

Red Star.

Finland. N. Y.—Antwerp...Sept. 23

White Star.

Battle. N. Y.—Liverpool...Sept. 21

Oceanic. N. Y.—Shampton...Sept. 23

Zeeland. Boston-Liverpool...Sept. 26

NEW FLOWER STORES.

Eaton Rapids, Mich.—Chas. Phillips, Hall street.

New York, N. Y.—Suhner & Gray, 31 East 121st street.

Denver, Colo.—C. Zbindin, Fifteenth and Lawrence streets.

St. Paul, Minn.—Hill City Greenhouses, Willard Secor, proprietor, Payne avenue.

Springfield, Ohio—Mrs. Nettie Jacobs and Mrs. Bessie Ackerman-Rightmire, 15 South Fountain avenue.

A report is current in the wholesale flower district in New York that a large area on the second floor of the Coogan Building, 55-57 W. 26th street has been leased by a new concern to be called the Manhattan Plant and Cut Flower Company.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill

Cable Address, ALEXCONNELL

NEW YORK

Orders for Steamer, Theatre, Hotel, or Residence Carefully Filled.

Wm. H. LONG

412 Columbus Ave.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph and Cable address, Dardspier

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points, New York City, New Jersey, etc. At Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

BUFFALO

S. A. ANDERSON

440 MAIN STREET

Special Deliveries Niagara Falls and Lockport

"THE HOME OF FLOWERS"

The largest cut flower store in America. Orders for the TWIN CITIES and for all Northwestern points given prompt attention.

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your retail orders to

EDWARD MACMULKIN
194 Boylston Street, Boston

LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

CHICAGO NOTES.

Business Revival.

A decided change is springing up in all lines of the florists' trade. Since the opening of the schools, which has brought back to the city many old customers, the retailers have enjoyed an increase in their sales. The florists' supply houses are daily receiving large orders from all over the country and the general feeling prevails that a good season is now opening up. The plant growers are coming in for their share of the business, for the retailers have overhauled their stores and plants are now a necessity in all first-class retail flower stores. Some very beautiful effects with artificial flowers and foliage are seen in the fall decorations of the big stores and Chicago is now quite a center for the manufacturing of these goods.

Coming Show.

The fall show at the Art Institute given by the Horticultural Society of Chicago, September 21-22, is expected to be of a high order as asters and dahlias are just in their prime and all perennials have had a fairly good season. There are many fine places in this vicinity whose owners take great pride in them and a first-class exhibit is looked for.

Trade Notes.

The E. H. Hunt Co. is putting on the market the Noxall Hose Coupler. This is an improvement over the well-known Acme Coupler and which has long been recognized as the best coupler ever on the market. The Noxall is similar with changes enough to bring it up-to-date. Their Noxall Hose has met with great success during the two years they have handled it and the coupler will no doubt meet the same hearty response.

Quite a number of florists will embark in the retail business for themselves this fall. Duncan Robertson and W. C. Adams, for several years with the E. Wienhoeber Co., have sent out cards announcing their opening, October 1st, at Bellevue place and Rush street. This is in a fine residential district and the two will make

a strong team in pulling for their share of the North Side trade.—Chas. Erne severs his connection with the E. H. Hunt Co., September 16th, and will then decide between the different stores available and make ready for an immediate start.—The Briggs House Florist has opened another store on Van Buren street, between State and Dearborn streets.—E. Leslie will open a store on the corner of Randolph and State streets.

Personal.

Miss Wolf, for many years bookkeeper for J. A. Budlong and who has lately returned from the West, has taken a position with Zeck & Mann.

Mrs. Harry Reeser of Springfield, Ohio, has been visiting her sister, Mrs. Youngstrand, of Glenview, Ill., the past two weeks. Mr. Reeser is a florist at Springfield and Mr. Youngstrand is a landscape gardener and nurseryman at Glenview.

William Allen, who has charge of the conservatory at Schiller's on West Madison street, has had something on his mind lately and all his leisure hours have been spent in preparing a flat for a mysterious someone who arrived from the East Monday, accompanied by relatives. Further details will be revealed next week.

Mr. and Mrs. C. H. Fisk returned on the 7th inst. from a six weeks' tour of the West. Going by the southern route and returning by the northern one they visited Old Mexico and all the principal cities on the Pacific Coast and have some thrilling tales to tell of their mountain ride in the Canyon of the Colorado and other experiences.

OUT OF THE GINGER JAR.

A certain supply house advertises that their sales were 71 per cent ahead of last August. That does not prove anything of value. Buncombe don't go with the florists. They are all from Missouri! Your sales may have been next to nothing the August before. A cent's worth sold last year and two cents' worth this year—100 per cent increase. Bum argument. Better change your professor of publicity. You are no doubt paying good money for the space. We are sorry for you. As a good model for an adv. on that kind of goods, what's the matter with the "Rice Standard."

Of all the little presents and mementos of wooden, tin, silver and golden weddings, of send offs, of tributes of sympathy, of hurrahs—of all the common things that make up our common lives—not one has ever brought the glisten to the eye, the hand clasp, the lump in throat as does a box of flowers—so far as my thirty years' experience of these things goes. Especially with the ladies. I really believe they would rather have a bunch of American Beauties at just the right time than a six-cylinder automobile. So, you retailers, get your enthusiasm up a little when a lady comes in! Put some life and heart into it. It's wonderful how different you can be if you really try.

GEORGE C. WATSON.

Kennett Square, Pa.—Charles S. Swayne, proprietor of the "Slope" greenhouses, has disposed of his plant to L. M. Parker, who will devote them to sweet peas.

WASHINGTON NOTES.

Willet M. Hayes, assistant secretary of agriculture, has purchased the residence of the late E. F. Droop in Rockville, Md.

F. H. Kramer has been offering a handsomely engraved copy of the Declaration of Independence, suitable for framing, with each purchase amounting to a dollar or more.

The building and land located at Thirteenth and F Streets, N. W., known as the Thompson property and in which is located the store of the Washington Florists Co., was last week sold at a reported price of nearly half a million dollars.

F. H. Kramer, 916 F street, N. W., is looking for the arrival of a shipment of bulbs from La Garde & Speelman of Ollioules, France, consisting of 100,000 paperwhite grandiflora and 40,000 Grand Soleil d'Or. These will be planted in the Anacostia houses.

The will of the late Joseph R. Freeman has been entered for probate in the local court. The estate is valued at about \$150,000. The store at 612 13th street, N. W., is valued at \$75,000; the business at \$10,000, the balance being in real and personal property. Mrs. Freeman is appointed administratrix and practically the sole beneficiary.

One of the handsomest bouquets of the season was that furnished by Gude Bros. and presented last Saturday night to the members of the troupe, who for five months entertained the public at the Columbia Theatre. This was no corsage bouquet but a bunch of American Beauties nine feet in height and five feet in diameter. Each actress was also presented with bunches of American Beauties and other roses. This was the company's farewell appearance.

The Cosmos Theatre, a popular-priced vaudeville house celebrated its third anniversary by giving to its lady patrons corsage bouquets consisting of from four to six fresh cut roses. On Labor Day about 2000 bunches were thus distributed and an average of 1200 per day during the remainder of the week. This proved a business getting souvenir and members of the local trade benefited by the sale of the goods. The theatre itself was decorated with palms, ferns and cut flowers.

CLARENCE L. LINZ.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edw. MacMulkin, 194 Boylston St.
Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's 304 Main St.
Buffalo, N. Y.—S. A. Anderson, 440 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Denver, Col.—Park Floral Co., 1643 B'way.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Kansas City, Mo.—Samuel Murray, 912 Grand Ave.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 611 5th Ave.
New York—W. H. Long, 412 Columbus Ave.
New York—Young & Nugent, 42 W. 28th.
New York—Dards, N. E. cor. 44th St. and Madison Ave.
St. Paul, Minn.—Holm & Olson.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.
Washington, D. C.—Gude Bros., 1214 F St.
Wellesley, Mass.—Talby.

THE Florists' Supply House of America

H. BAYERSDORFER & CO.
1129 Arch St., Philadelphia, Pa.

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points to

THOS. F. GALVIN
124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall Schools. TALBY, Wellesley, Mass.
Tel. Wellesley 44-1 and 2. Night 44-3

DAHLIAS

\$1.00-\$3.00 per 100

DOROTHY PEACOCK

\$5.00 per 100

Through careful selection of the best varieties, every season sees an advance in the quality of our Dahlias. Our list is made up of such kinds as we believe best for cut flower purposes. Try a shipment.

The Leo Niessen Co.

Wholesale Florists

1209 Arch Street, - PHILADELPHIA, PA.

To Cut Flower Growers and Retail Florists

IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

THE BEST LETTERS

FOR
FLORIST'S
USE

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THOSE
MADE
BY THE

Boston Florist Letter Co

66 PEARL ST., BOSTON

N. F. McCarthy, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock.

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill

George B. Hart

WHOLESALE
FLORIST

24 Stone St., Rochester, N.Y.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS
CONSIGNMENTS SOLICITED

Special attention to shipping orders. Jobbers of Florists' Supplies, Seeds and Bulbs. Price list on application.

Phone Main 584. 316 Walnut St., Cincinnati,

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	BOSTON Sept. 14		CHICAGO Sept. 12		ST. LOUIS Sept. 12		PHILA. Sept. 12	
Ara. Beauty, Fancy and Special..	15.00	to 25.00	20.00	to 25.00	15.00	to 25.00	17.00	to 20.00
" Extra	10.00	to 15.00	15.00	to 20.00	10.00	to 12.50	.....	to 15.00
" No. 1	6.00	to 10.00	10.00	to 12.00	5.00	to 8.00	.....	to 10.00
Lower grades	2.00	to 4.00	6.00	to 8.00	2.00	to 4.00	5.00	to 8.00
Richmond Chateaux, Fancy & Spl..	3.00	to 5.00	6.00	to 10.00	4.00	to 8.00	.....	to 8.00
Lower grades .....	.50	to 2.00	3.00	to 5.00	2.00	to 3.00	.....	to 5.00
Killarney, Maryland, Fan. & Spl..	2.00	to 5.00	6.00	to 10.00	4.00	to 8.00	5.00	to 8.00
Lower grades .....	.50	to 2.00	3.00	to 5.00	2.00	to 3.00	.....	to 3.00
Bride, 'Maid, .....	.50	to 4.00	3.00	to 8.00	4.00	to 6.00	3.00	to 8.00
Kaiserin, Carnot, Taft	2.00	to 8.00	5.00	to 8.00	4.00	to 6.00	3.00	to 8.00
CARNATIONS, First Quality..	1.00	to 2.00	1.00	to 2.00	2.00	to 3.00	.....	to 3.00
Ordinary .....	.50	to .75	.50	to 1.00	.75	to 1.00	.....	to 2.00
MISCELLANEOUS								
Cattleyas	40.00	to 50.00	30.00	to 50.00	.....	to	50.00	to 75.00
Lilies, Longiflorum	4.00	to 8.00	5.00	to 8.00	8.00	to 10.00	10.00	to 12.50
Lily of the Valley	1.00	to 4.00	2.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Chrysanthemums	12.50	to 10.00	.....	to 12.00	.....	to	15.00	to 25.00
Gladioli .....	.50	to 4.00	2.00	to 6.00	2.00	to 3.00	3.00	to 4.00
Asters .....	.10	to 1.00	1.00	to 2.00	1.00	to 2.00	1.50	to 3.00
Daisies .....	.50	to .75	.50	to 1.00	.....	to .....	.....	to
Dahlias .....	.....	to .....	.....	to	2.00	to 5.00	1.50	to 3.00
Sweet Peas .....	.....	to .....	.50	to 1.00	.....	to .....	.....	to
Gardenias	8.00	to 12.00	.....	to .....	.....	to	10.00	to 15.00
Adiantum	1.00	to 1.50	.....	to 1.00	1.00	to 1.25	.....	to 1.00
Smilax	12.00	to 15.00	15.00	to 18.00	12.50	to 15.00	.....	to 15.00
Asparagus Plumosus, strings (100)	to 50.00	50.00	to 60.00	35.00	to 50.00	to 50.00
" " & Spre. (100 bchs.)	16.00	to 35.00	25.00	to 40.00	10.00	to 30.00	to 50.00

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82-84-86 E. Randolph St., Chicago
OUR STOCK IS A-1 AND IT IS QUALITY NOT
PRICES THAT TALKS

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Manufacturer of Florist Wire Designs,
All kinds of Florist Supplies.

New crop Dagger and Fancy Ferns, \$1.75 per 100. Green and Bronze Galax, 90c. per 100; by the case, \$7.50. Boxwood, 50-lb. case, \$7.50; by the lb., 25c. Laurel Wreaths, 10-inch, \$1.75 per doz.; 12-inch, \$2.25 per doz.; 14-inch, \$3.00 per doz.; 16-inch, \$4.50 per doz. Laurel Trimming, 4 and 5c. per yd.



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Opportunity to Buy Cheap.**

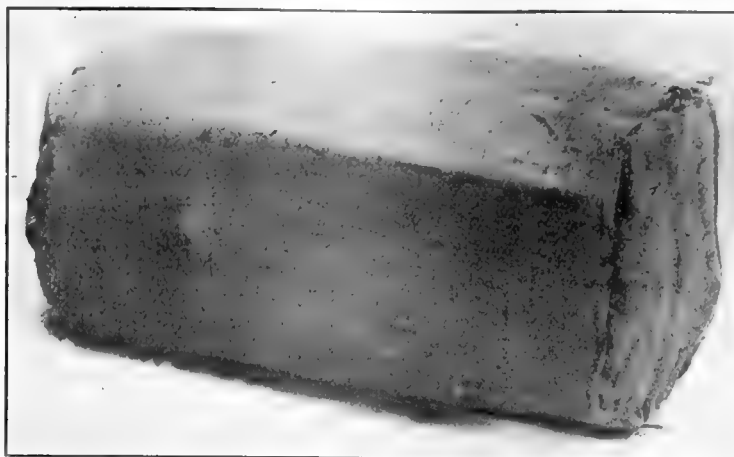
Having our own men in Jersey who gather and bale the moss, we are in a position to make the following extraordinary low prices.

Per 7 bbl. bale, \$2.25; 10 bale lots at \$2.00 each.

Per 10 bbl. bale, \$3.50; 10 bale lots at \$3.15 each.

This special offer is good only for a limited time. It is therefore important that orders be placed at once; even if you do anticipate your wants ahead of actual necessity.

Each bale is covered with burlap, thus insuring cleanliness around the store and no waste.



FIELD GROWN CARNATION PLANTS

See our advertisement in *Horticulture* of Sept. 2.

We still have some fine plants of most of the varieties to offer.

Distributing Agents for the great new roses for 1912.

DOUBLE WHITE KILLARNEY AND KILLARNEY QUEEN

Write us for particulars and prices. Orders booked now.

S. S. PENNOCK-MEEHAN CO.

THE WHOLESALE FLORISTS OF PHILADELPHIA

NEW YORK
109 W. 28th Street

PHILADELPHIA
1608-1620 Ludlow Street

WASHINGTON
1212 New York Ave.

Flower Market Reports.

BOSTON Business is in a waiting mood and the outlook from day to day is as uncertain as the "in agin, out agin" vote of the state of Maine. Carnations are getting better and as soon as the asters get out of the way the carnation may begin to look up. Small roses are too plentiful still; it is next to impossible to find a market for them. American Beauty is notably deficient in finish, not one-quarter of those sent in as specials being worthy of the classification. A few chrysanthemums, Golden Glow are in now. Among roses the variety Radiance is making a grand record as a long-distance shipper.

BUFFALO Very little doing, much less than was expected the past week especially for a September week when weddings are looked for. There was plenty of material to fill all orders, and no line was scarce of anything. Asters galore; too many of the ordinary, which blocked the sale of the good ones. The cemetery florist is looked for by the dealer, but he only replies that his customers are supplied by their gardens. There has been a slight decrease in the supply of gladioli, though they are still plentiful and good. In the rose line Beauties are only fair in quality, other roses good and increasing in supply daily. Some choice lilies and lily of the valley are had, and have shared in the small demand. Greens have shortened somewhat, though not scarce.

CHICAGO Some are inclined to attribute all the troubles in the flower business

WHOLESALE FLOWER MARKETS.—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	CINCINNATI Sept. 1	DETROIT Sept. 11	BUFFALO Sept. 20	PITTSBURG Sept. 12
Am. Beauty, Fan. and Sp.	15.00 to 20.00	20.00 to 25.00	20.00 to 25.00	..... to 25.00
" Extra	10.00 to 15.00	15.00 to 20.00	15.00 to 20.00	..... to 20.00
" No. 1	8.00 to 10.00	10.00 to 15.00	8.00 to 10.00	..... to 15.00
" Lower grades	3.00 to 8.00	4.00 to 10.00	3.00 to 4.00	4.00 to 10.00
Richmond, Chateauf, Fan. & Spl.	5.00 to 8.00	5.00 to 7.00	6.00 to 7.00	5.00 to 6.00
" Lower Grades	3.00 to 4.00	3.00 to 5.00	2.00 to 4.00	2.00 to 4.00
Killarney, Maryland, Fan. & Spl.	4.00 to 5.00	5.00 to 7.00	6.00 to 7.00	6.00 to 8.00
" Lower Grades	3.00 to 4.00	3.00 to 5.00	2.00 to 4.00	2.00 to 4.00
Bride, 'Maid,	2.00 to 4.00	3.00 to 7.00	2.00 to 6.00	..... to
Kaiserin, Carnot, Taft	2.00 to 5.00	3.00 to 8.00	3.00 to 7.00	2.00 to 8.00
CARNATIONS, First Quality .....	.50 to 2.00	..... to	1.50 to 2.00	1.00 to 1.50
Ordinary .....	..... to	1.00 to 2.00	1.00 to 1.25	..... to
MISCELLANEOUS				
Catleyas .....	..... to .....	..... to	50.00 to 60.00	..... to 50.00
Lilies, Longiflorum	10.00 to 12.50	12.50 to 15.00	10.00 to 12.00	10.00 to 12.00
Lily of the Valley	3.00 to 4.00	3.00 to 4.00	..... to 4.00	3.00 to 4.00
Chrysanthemums .....	..... to .....	..... to	15.00 to 20.00	15.00 to 25.00
Gladioli	1.00 to 3.00	3.00 to 5.00	2.00 to 3.00	1.00 to 4.00
Asters .....	.50 to 3.00	1.00 to 3.00	.50 to 1.50	.50 to 3.00
Daisies .....	..... to .....	..... to .....	..... to .....	..... to .50
Dahlias .....	..... to .....	..... to .....	..... to .....	..... to
Sweet Peas .....	..... to .....	..... to .....	.20 to .30	.15 to .25
Gardenias .....	..... to .....	..... to .....	..... to .....	..... to
Adiantum .....	..... to 1.00	1.00 to 1.50	.75 to 1.50	1.00 to 1.25
Smilax .....	..... to 12.50	..... to 15.00	..... to 15.00	..... to 15.00
Asparagus Plumosus, strings (100) .....	..... to 40.00	17.00 to 35.00	40.00 to 50.00	..... to 60.00
" & Spreng. (100 bchs.) .....	..... to 25.00	17.00 to 35.00	25.00 to 35.00	25.00 to 40.00

this year to the over-production of asters. Certain it is that they have flooded the market for many weeks and the end is not yet in sight. This week, it is impossible to sell good asters for more than two cents and altogether too large a proportion of the cut is still going into the barrel. Where these flowers are so cheap it cuts into the sales of other flowers and especially is this true when the "improved back yard" idea has been put into effect and a home-grown crop, as of asters, produced. Between the big crops of gladioli and asters the demand for roses is bound to diminish. Beauties are selling fairly well and stock is good. Carnations are fine for the season. Some excellent

Killarneys and Brides are seen about the market each day and an especially fine lot were noticed at Hoerber Bros. this week. Green in general is plentiful. Smilax is the only kind that is scarce and this is easy to get if the buyer pays the price. Tube roses are among the flowers that are side-tracked this year; the demand for them is apparently lacking. Autumn leaves in profusion are now coming in and the window decorations are beautiful.

The first day of this week started with a rush. The supply was larger than the call, which was not small by any means. The activity

(Continued on page 410)

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Successor to
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A Full Line of All CUT FLOWERS.
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NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Sept. 9 1911		First Half of Week beginning Sept. 11 1911	
American Beauty, Fancy and Special.....	8.00	to 20.00	8.00	to 20.00
“ “ Extra.....	6.00	to 8.00	6.00	to 8.00
“ “ No. 1.....	2.00	to 4.00	2.00	to 4.00
“ “ Lower Grades.....	.50	to 1.00	....	to .50
Richmond, Chateauf, Extra and Special.....	2.00	to 4.00	2.00	to 4.00
“ “ Lower Grades.....	.50	to 1.00	.50	to 1.00
Killarney, My Maryland, Extra and Special.....	1.00	to 4.00	1.00	to 4.00
“ “ Lower Grades.....	.15	to .50	.15	to .50
Bride, Field.....	.50	to 3.00	.50	to 3.00
Kaiserlin, Carnot, Taft.....	2.00	to 6.00	1.00	to 6.00
Carnations, First Quality.....	1.00	to 1.50	1.00	to 1.50
“ “ Ordinary.....	.50	to .75	.50	to .75

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Phone 8346 Madison Square
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W. J. COWEE, BERLIN, N. Y.
10,000... \$1.75; 50,000... \$7.50 Sample free
For sale by dealers

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WHOLESALE FLORISTS
Choice Cut Flowers
CONSIGNMENTS SOLICITED
54 West 28th St., NEW YORK
Prompt Payments. Telephone 3559 Madison Sq

FRANK MILLANG
Wholesale Florist
55-57 West 26th St., NEW YORK
Shipments, any quantity, Whole-
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Now Located at 130 West 28th St.

Over 4000 sq. ft. of Floor Space and every modern facility for business
Call and Inspect this New Wholesale Flower Establishment.

ALFRED H. LANGJAHR, New York City



Flower Market Reports

(Continued from page 400)

or rather the lack of activity on the part of the buyers on Tuesday, however, showed that this spurt was only a replenishing, and that business was not as bright as was anticipated. Still during the past fortnight, though the quantity of the offerings increased daily, most that was worth while sold, while the poorer stock was a positive drag on the market. At the time of this writing asters and gladioli are somewhat more than sufficient for request. Roses and carnations, too, are coming in stronger. Lilies have shaded slightly in price and are in good supply. Cosmos is offered in small quantities and is snapped up quickly. As a whole where the offerings and sales are considered the prices brought are fair. The quality of almost everything is all an exacting buyer might desire at this time of the year. The green goods market is ample.

As to the present market

DETROIT situation the least said the better. It is not different from any other year and to the one who dislikes fakers it is even better because there are none at the present. Trade is of a very unsteady condition and the prevailing warm spell will keep it so for a while to come.

The tendency to multiply the number of varieties of roses grown as standard stock for the cut flower market is seen in the product from young planted stock of this season on the benches of the wholesale dealers. For many years the roses that could be regarded as staples never exceeded half a dozen but, if

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Brooklyn's Foremost and Best

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A First Class Market for all CUT FLOWERS

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Tel. 4591 Main

WILLIAM F. KASTING Co.

Wholesale Florists

383-387 ELLICOTT ST. - - BUFFALO, N. Y.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Sept. 9 1911	First Half of Week beginning Sept. 11 1911
Cattleyas.....	50.00 to 60.00	40.00 to 60.00
Lilies, Longiflorum.....	2.00 to 4.00	2.00 to 4.00
Lily of the Valley.....	1.00 to 2.00	1.00 to 2.00
Chrysanthemums.....	10.00 to 10.00	10.00 to 16.00
Gladioli.....	.25 to 1.00	.35 to 1.00
Asters.....	.15 to 1.00	.15 to 1.00
Daisies.....	.10 to .25	.10 to .25
Dahlias.....	.... to ....	.... to
Sweet Peas (per 100 bunches).....	1.00 to 3.00	1.00 to 3.00
Gardenias.....	15.00 to 20.00	15.00 to 20.00
Adiantum.....	.50 to .75	.50 to .75
Smilax.....	5.00 to 8.00	5.00 to 8.00
Asparagus Plumosus, strings.....	.... to 35.00	.... to 35.00
" " & Spron. (100 bchs).....	10.00 to 20.00	10.00 to 20.00

signs count for anything there will be no cause for complaint henceforth as to the limited number of rose varieties open to selection by the cut flower buyer. And among the newcomers no variety is so generally liked and favorably commented on as the beautiful yellow Lady Hillingdon. All roses have greatly improved in quality during the past week, American Beauty especially so, but there is no prospect of any immediate advance in price, and there is an enormous avalanche of small short-stemmed stuff of the Killarney sorts which, although bright colored and clean, has to be disposed of at a few cents a hundred. Richmond is slowly improving, but the weather is still too warm for this popular variety. The markets are still loaded down with asters—most of them of medium or mediocre quality. Gladioli are not yet lightened up perceptibly and dahlias are beginning to accumulate. Until this outdoor material is cut off any general improvement in the underglass department is not to be expected. Generally speaking trade is irregular—some days developing quite a hopeful ac-

tivity which, however, seldom lasts over forty-eight hours. A few chrysanthemums are seen here and there.

We believe that **PHILADELPHIA** on the whole there was a larger volume of business here last week, but there was such an increase in the quantity of stocks arriving that prices broke considerably on many items, and there was a good deal of unsold surplus. So the feeling in the wholesale market is rather grumpy. If demand had only responded to the increased supply everything would have been lovely—but it didn't. Asters and dahlias are coming in in immense quantities. Both are good but there is no chance of absorbing half of them at any kind of paying price to the growers. As one wholesaler put it: "We can see trouble ahead now for the next six weeks." What he meant was that the chrysanthemums would be piling in very soon on top of this already congested condition and would be making the situation still worse. Another heart breaker is the cosmos.

(Continued on page 412)

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Araucaria excelsa, 5-in., 4 tiers, 75c each; \$9.00 per doz.
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Asparagus scandens deflexus, 4-in., \$1.50 per doz.
Asparagus Sprengeri, 4-in., \$1.50 per doz., \$10.00 per 100, \$80.00 per 1000. 500 at 1000 rate.
Asparagus plumosus, 2-in., \$3.00 per 100.
The Geo. Wittbold Co., Chicago, Ill.
Edgebrook,
1000 Asparagus Sprengeri, good strong one year plants, 320 Beale St., Wollaston, Mass.
Asparagus Sprengeri and Plumosus, fine extra strong healthy stock from 3 in. pots, \$4.00 per 100, cash. No better stock ever offered for the money. Plant now to cut from. O. B. Kenrick, 52 Alexander Ave., Belmont, Mass.

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A. Leuthy & Co., Roslindale, Mass.
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Bay Trees and Box Trees, all sizes
Write for special list
Julius Roehrs Co., Rutherford, N. J.

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Jerusalem cherries, field grown, 4-in., \$10.00 per 100.
Christmas peppers, 4-in., extra fine, \$10.00 per 100; 5-in., \$2.00 per doz.
The Geo. Wittbold Co., Chicago, Ill.
Edgebrook,

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Kroeschell Bros. Co., 466 Erie St., Chicago.
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New England Nurseries, Inc., Bedford, Mass.
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Box Trees all sizes. Ask for special list.

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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

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Field Grown Carnation Plants.
For page see List of Advertisers.
Wood Bros., Fishkill, N. Y.
Field Grown Plants.
For page see List of Advertisers.
Carnation Plants—Field-grown, Enchantress, white and pink Lawson, \$5.00 per 100. Cash. M. J. Schaaf, Dansville, N. Y.
Field Grown Carnation Plants. 1200 Fair Maid, 500 Queen, 500 Harlowarden, 500 Victory, 350 Enchantress, \$5.00 per 100. J. H. Playdon, Andover, Mass.
Surplus field carnation plants, strong and healthy. 300 May Day, 300 Winona, \$5.00 per 100. Cash please. C. H. Jenkins, Cumberland Center, Me.
Kretschmar Bros., West Nyack, N. Y.
Field grown carnations, strong plants, Winsor, White Perfection, Queen, Harry Fenn, Bountiful, \$6.00 per 100. Cash. Chas. H. Green, Spencer, Mass.

FIELD GROWN CARNATIONS—White Enchantress, Fair Maid, Harry Fenn, Lawson, Winsor, Queen, Beacon. Thomas Capers, Wellesley Hills, Mass.

CARNATIONS—Continued

Carnations. Large strong healthy plants. Enchantress and Rose Enchantress, \$5.00 hundred. Boston Market, Maid, \$4.00. Arno Chase, Cumberland Centre, Maine.

FIELD GROWN CARNATION PLANTS.
Mrs. C. W. Ward, \$8.00 per hundred; \$70.00 per thousand. May Day, \$6.00 per hundred. Absolutely clean, healthy plants. Pleasant View Gardens, North Tewksbury, Mass.; address Frank P. Putnam, Lowell, Mass.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CHRYSANTHEMUMS

Elmer D. Smith, Adrian, Mich.
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Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Chrysanthemums, rooted cuttings, Monrovia, Polly Rose, \$12.00 per 100. Violets, Princess of Wales, \$6.00 per 100; \$50.00 per 1000. Chas. Lenker, Freeport, L. I., N. Y.

CHRYSANTHEMUM CANES

Wm. Elliott & Sons, New York, N. Y.

CINERARIAS

Cinerarias, best strain dwarf, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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CROTONS

Crotons, 2½-in., \$1.00 per doz.; 3-in., \$1.50 per doz.; 4-in., 25c each, \$3.00 per doz.
The Geo. Wittbold Co., Chicago, Ill.
Edgebrook,

CYCLAMENS

Cyclamen—Best Varieties in different colors, 3 inch pots, strong plants, \$10.00 per 100, \$80.00 per 1000. Julius Roehrs Company, Rutherford, N. J.

DAHLIAS

Herbert, Acto, N. J.
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R. Vincent, Jr. & Sons Co., White Marsh, Md.
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Double Daisies (Bellis), mixed, nice plants, \$1.25 per 500; \$2.00 per 1000. M. B. Saunders Co., 25 Burnett St., Providence, R. I.

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

Dahlias, divided roots, from 1 to 3 eyes to the piece. Send for list and get the latest varieties. W. P. LOTHROP, Brockton Dahlia Farm, E. Bridgewater, Mass.

DAHLIAS NEW FOR 1911.

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williamstown Junction, N. J. Post Office, Berlin, N. J.

DECORATIVE PLANTS

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A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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John Scott, Brooklyn, N. Y.
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DRACAENAS.
Dracena fragrans, 2½-in., \$1.50 per doz.; 3-in., \$2.00 per doz.; 4-in., \$3.00 per doz.; 5-in., \$5.00 per doz.
Dracena indivisa, 2-in., \$3.00 per 100, \$25.00 per 1000; 7-in., 2½ to 3 in. 4 doz., \$1.25 each, \$15.00 per doz.
Dracena Massangeana, 5 in., \$1.25 each; 6-in., \$1.50 each.
The Geo. Wittbold Co., Chicago, Ill.
Edgebrook,

EVERGREENS
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Frank Oechlin, 4911 Quincy Street, Chicago.

Ferns for Dishes.
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Joseph Heacock, Wyncote, Pa.
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W. W. Edgar Co., Waverly, Mass.
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Anderson's ferns for in and outdoors.
Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.
Boston Ferns 6-inch pots, 45c. each, \$4.00 per 100. Whitman Ferns, 4 inch, 20c. each, \$15.00 per 100; 5-inch, 30c. each, \$25.00 per 100; 6-inch, 45c. each, \$10.00 per 100; 7-inch, 60c. each, \$35.00 per 100; 8-inch, 75c. each, \$70.00 per 100. Ferns Elastic, 35c., 50c. and 75c. each. Cash please. Queen City Floral Co., Manchester, N. H.

Markovits Bros., Importers and Manufacturers of Natural Ferns, Palm and Wax Roses, 954 Milwaukee Ave., Chicago, Ill.
Phone Monroe 4530.

Ferns for fern dishes, assorted varieties, 2-in., \$3.00 per 100; \$25.00 per 1000.
Cibotium Schiedei, a most beautiful and graceful fern. Extra fine plants, 8-in., \$3.00 each.
Boston ferns, 2-in., \$3.00 per 100, \$25.00 per 1000; 3-in., \$8.00 per 100; \$60.00 per 1000; 7-in., 75c. each, \$9.00 per doz.; 8-in., \$1.00 each.
The Geo. Wittbold Co., Chicago, Ill.
Edgebrook,

FERTILIZERS
Shell-Marl Land-Lime, doubles farm crops, best and cheapest lime carbonate for your soils, not caustic, no magnesia. Wood ashes substitute, better than Canada ashes, standard, no moisture. Fine-Ground Phosphate Rock, permanent soil builder. Force-Feed Lime-Fertilizer Sowers, cheapest and best. Baled shavings, best absorbent stable bedding. All sold at lowest possible prices. Send for catalogue. Vermont Marl Company, Brattleboro, Vermont.

20th Century Plant Food Co., Beverly, Mass.
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Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.
Wizard Brand Cattle Manure.
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NEW MINERAL FERTILIZER.
The New Mineral Fertilizer Co., 19 Exchange Place, Boston, Mass.
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Hardwood ashes, best fertilizer on earth for lawns and gardens. George Stevens, Peterborough, Ont., Canada.

FEVERFEW
Feverfew. Unrooted cuttings, 50c. per 100, or \$4.00 per 1000, by mail prepaid Adolph E. L. Koch, Nobscot, Mass.

FLORISTS' ENCYCLOPEDIA FREE
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Peters & Reed Pottery Co., Zanesville, O.
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FORGET-ME-NOTS
Forget-me-nots, 1500 Royal Blue, 2¼ in. pots, 2000 Victorias in flats, large plants, \$2.00 per 100. Cash. M. B. Saunders Co., 25 Burnett St., Providence, R. I.

FRUIT TREES
Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston

GALAX
Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.
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GERANIUMS
R. Vincent, Jr. & Sons Co., White Marsh, Maryland.
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Geraniums Nutt, Poltevine, Ricard, Perkins, Viand, Buchner, Rose, Ivy. Rooted cuttings, \$1.00 per 100; \$10.00 per 1000. Edward Wallis & Co., Berlin, N. J.

GLADIOLUS
Frank Banning, Kinsman, O.
New Gladiolus Niagara.
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Silver Trophy and Florist Mixture Gladiolus bulbs, 10,000, large also small sizes, for sale in October. S. E. Spencer, 58 Congreve St., Roslindale, Mass.

GLASS
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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

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Peerless Glazing Point.
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Lord & Burnham, 1133 Broadway, New York.

Pierson U-Bar Co., Madison Ave., New York
Designer and Builder.

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HIMEROCALLIS LILY
Fulva, \$2.50 per 100. C. S. Harrison's Select Nursery Co., York, Neb.

HONEYSUCKLES.
Lonicera Halleana, Hall's honeysuckle, 4 in., 20c. each; \$2.00 per doz.
The Geo. Wittbold Co., Chicago, Ill.
Edgebrook,

HOSE
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INSECTICIDES
Eastern Chemical Co., Boston, Mass.
Imp. Soap Spray.
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Nicotide kills all greenhouse pests.
P. R. Palethorpe Co., Owensboro, Ky.
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in writing to Advertisers kindly mention Horticulture

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To-Bak-Ine Products.
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Wilson Plant Oil and Fertilizer Co., New York, N. Y.
Wilson Plant Oil.
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Acme Nicotine Insecticides sold direct to the grower. Acme 45 per cent. Liquid, pint \$1.75; gallon \$12.50. Acme Fumigating Paper, case of 288 sheets \$5.50. Sample can of 24 sheets 60 cents, postpaid. J. P. Beermaker, 9 Washington Ave., St. Louis, Mo.

IRISES.

IMPERIAL JAPANESE IRIS.
Henry A. Dreer, Inc., Phila., Pa.
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Iris Germanica in clumps, not divisions, at \$2.00 per 100 if taken at once; to clear space. F. F. Scheel, Shermerville, Ill.

IRIS GERMANICA.

L'Avenir (lavender), candicans (purple veined, splashed with white), flavescens (canary yellow). On account of a surplus, we offer good single roots of the above varieties, while they last, at only \$3.00 per 100.

The Geo. Wittbold Co., Chicago, Ill.

Khedive, \$6.00; Celestie, Chalcedonia, Elizabeth and Aurea \$5.00; Flavescens, Madam Chereau, Margolin, Marmora, Nymph, Pallida Spectosa, and Queen of May, \$4.00; Florentina White, and Purple Queen, \$3.00; Delicata, and Sans Souci, \$2.50; Pumilla, and Siberian Blue, \$2.00 per 100. C. S. Harrison's Select Nursery Co., York, Neb.

JAPANESE LILIES

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LANDSCAPE GARDENING COURSE.
Home Correspondence School, Springfield, Mass., Dept. 8.
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LILAC

Rouen, 3 to 4 feet, six to fifteen branches, an ideal hedge as it stands, \$10.00 per 100. C. S. Harrison's Select Nursery Co., York, Neb.

LILIUM HARRISII

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NIKOTEN APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.

NURSERY STOCK

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TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00 by Horticulture Publishing Co., 11 Hamilton Place, Boston.

ONION SETS

Leonard Seed Co., Chicago, Ill.
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For Sale. Winter Onion Top Sets, select stock. A. S. Pett, Crawfordsville, Ind.

ORCHID FLOWERS

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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
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Ordenez Bros., Madison, N. J., Box 108.
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Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
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Orchids—largest stock in the country. Store plants and Crotons, finest collection. Julius Roehrs Co., Rutherford, N. J.

Orchid Growers' Manual. By B. S. Williams, 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

Edward V. Low, late of Hugh Low & Co., dissolved, Vale Bridge, Haywards Heath, England. "White" Cattleyas and Choice Cypripediums are leading features.

PALMS, ETC.

Phoenix reclinata, 4-in., 25c ea., \$3.00 per doz., \$20.00 per 100; 5-in., 50c each; \$5.00 per doz.

Phoenix Roebelenii, 6-in., \$2.00 each; 7-in., \$2.50 each.

Latania borbonica, 3-in., 8c, \$1.00 per doz., \$60.00 per 100; 4-in., \$3.00 per doz., \$20.00 per 100.

Kentia Belmoreana, 2½-in., \$1.50 doz.; 3-in., \$2.00 doz.; 4-in., \$3.60 doz.; 5-in., \$5.00 doz.; 6-in., 24 to 28 in. high, 4 to 6 leaves, \$1.50 each.

Kentia Forsteriana, 2½-in., \$1.50 per doz.; 3-in., \$2.00 per doz.; 4-in., \$3.60 per doz.; 5-in., \$5.00 per doz.; 6-in., 36 to 40 in. high, 5 to 6 leaves, \$1.50 each.

Cycas revoluta, the well-known sago palm, 4-in., 25c to 35c each; 5-in., 35c to 50c each; 6-in., 75c to \$1.00 each; 7-in., \$1.00 each.

Pandanus utilis, 3-in., \$2.00 per doz.
The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

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PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

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PEONIES

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Send for surplus list. C. S. Harrison's Select Nursery Co., York, Neb.

PEONIES—1200 sorts, an enormous stock list ready. C. Betscher, Canal Dover, O.

Peonies in any quantity. Write for prices on list of your wants. Gilbert H. Wild, Sarcoxie, Mo.

Peonies, over 500 varieties, embracing most of the finest foreign and American varieties. Send for list. W. L. Gumm, Peony Specialist, Remington, Ind.

Peony Chinensis—divisions, 2 to 3 eyes, Humel late pink and Hortense, Tyrian red \$3.00 per 100; Festiva alba, early white, Duchess de Orleans, early pink, Comte de Jussier very early white and sulphur, \$5.00 per 100. Cash with order. Thomas J. Oberlin, Sinking Spring, Pa.

PETUNIAS

Petunias (Dreer's), mixed, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

PHLOX

Pyramid, Zouave and Zantippe, \$5.00 per 100. C. S. Harrison's Select Nursery Co., York, Neb.

Fifty choicest varieties of hardy Phlox; whole plants, \$6.00 per 100; \$55.00 per 1000. Cash please. Adolf Muller, DeKalb Nurseries, Norristown, Pa.

PHOTOGRAPHS

I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan R. Graves, 414 Hayward Bldg., Rochester, N. Y.

PLANT STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

PIPE AND FITTINGS

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Metropolitan Material Co., Brooklyn, N. Y.

POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

PRIMULAS

Primulas Chinese, fine plants, 2½ in. \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

PRIMULA MALACOIDES

Arthur T. Boddington, New York, N. Y.
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PRIVET

California Privet, any quantity, size, age. Others say ours is the best grown. Write for prices; also on shrubbery, ornamentals, fruit trees, asparagus, etc. Franklin Davis Nursery Co., Baltimore, Md.

100,000 California Privet, 2 year, 2½ to 3 feet, only \$25.00 per 1000, cash. Adolf Muller, DeKalb Nurseries, Norristown, Pa.

RHODODENDRONS

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James Vick's Sons, Rochester, N. Y.
All Leading Varieties of Seeds.
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Giant English Cyclamen and Mignonette.
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Hjalmar Hartmann & Co.,
Copenhagen Denmark.
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SNAPDRAGONS.

Giant White and Yellow, fine plants in 2 1/4-inch pots ready to shift, \$2.00 per 100; \$18.00 per 1000. Pleasant View Gardens, North Tewksbury; address Frank P. Putnam, Lowell, Mass.

SOLANUMS.

Solanum aculeatissimum, 6 in., strong, 50c each, \$5.00 per doz.

The Geo. Wittbold Co., Chicago, Ill.
Edgebrook.

SPHAGNUM MOSS

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The W. W. Barnard Co., Chicago, Ill.
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Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

Ten bales sphagnum moss, \$7.00. Z. K. Jewett Co., Sparta, Wis.

SPRAYERS

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STEVIAS

Stevias, 2 in., cut back once, \$3.00 per 100, cash. M. B. Saunders Co., 25 Burnett St., Providence, R. I.

STRAWBERRY PLANTS

Warren Shinn, Woodbury, N. J.

TREE RENOVATION

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Improved Ventilator Arm.
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VIOLETS

Princess of Wales, \$6.00 per 100; \$50.00 per 1000. Fine, healthy stock. Order quick! Charles Lenker, Freeport, L. I., N. Y.

WIREWORK

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Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.

William E. Hellscher's Wire Works, 38-40
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WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
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WOOD PRESERVATIVE

Conserve Wood Preservative doubles the life of all exposed lumber. Preserves benches, posts, sills or planking. Costs 3c a stick, and saves ten times its cost. Samuel Cabot, Inc., Mfg. Chemists, Boston, Mass.

WHOLESALE FLORISTS**Boston**

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Little Ads Bring Big Returns

Little ads in our Classified Columns bring big returns to both advertiser and purchaser.

Anything that can be sold to florists, gardeners, park and cemetery superintendents, etc., can be sold through this medium in this department, and at very small cost.

Don't fail to read them each issue, for you will find one or more that will prove profitable to you.

They Cost Only One Cent a Word Undisplayed

In writing to Advertisers kindly mention Horticulture

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DETROIT NOTES.

The Flower Shop will soon move into a new store at 37 Grand River East, opposite the new Broadway Market and this will prove an ideal location.

E. A. Fettes has got through with his vacation having had a very pleasant trip. While apparently in an out of the way location Mr. Fettes has built up a very good trade in a few years.

Mrs. J. F. Sullivan surprised many by coming to the store a few days ago but she is still too weak to stay long and it will be several weeks before she can appear at her accustomed post regularly.

With our city growing as fast as it has the local retail section can be divided in two parts. First, those who for more or less years have maintained centrally located stores and which are composed of the old established firms with a very slight sprinkling of new ones. Second: A regular "belt line" of stores about two miles from the old centre composed mostly of such florists as in years gone by were growers only but becoming surrounded by houses with the consequent retail demand they have added this

Landscape Gardening



A course for Home-makers and Gardeners taught by Prof. Craig and Prof. Bachelor, of Cornell University. Gardeners who understand up-to-date methods and practice are in demand for the best positions. A knowledge of Landscape Gardening is indispensable to those who would have the pleasant homes.

PROF. CRAIG

250 page catalogue free. Write to-day

The Home Correspondence School

Dept. H, Springfield Mass

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

HELP WANTED

WANTED—Good, single greenhouse assistant on private place. Apply to R. & J. Farquhar & Co., 6 South Market St., Boston, Mass.

FOR SALE

FOR SALE—Fresh from factory, new 10 x 12, 16 x 18, 16 x 24, double thick, A and B qualities. Market dropped. Now is the time to buy and save money. Parsbelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.

FOR SALE—Two water tube boilers, 100 H. P. each, Helme type; three tubular boilers, 66 inches by 18 feet; perfect condition and cheap. Armstrong Mfg. Co., Springfield, O.

FOR SALE—One of the largest and oldest wholesale-retail floral businesses in Denver—a money maker. Long term lease on \$100,000 property. Owner retiring on account of age and plenty. If you have \$25,000 your profits will only be limited by your ability. For particulars, address M. H. Leinard, 1226 East 22nd Ave., Denver, Colo.

MISCELLANEOUS

WANTED TO RENT: Greenhouse, with some land in good town in Northern Ohio, Indiana, or Illinois; not too far from railroad. Will lease for term of years with privilege of buying. Kindly give full particulars in first letter. Address "Florist," 508 Church St., Flint, Mich.

PARTNERSHIP OR SALE OF GREENHOUSES.

Would like to arrange with good man (grower) who might join me in half ownership of greenhouses, which can be purchased on liberal time and at great sacrifice, regardless of cost. Situation could be no better. About 40,000 feet of glass. Will be glad to entertain some proposition. John F. Bowditch, 166 Commercial St., Boston, Mass.

branch to their original line and are doing well at it. Most of our new retailers also have chosen to locate in this outer circle of retail activity.

FRANK DANZER.

The Cincinnati Cut Flower Exchange at 24 Third avenue, East, opened on Saturday, September 9th. Alex. Ostendarp and Al. Heckman, two young hustlers, are the proprietors. If the auspicious opening is any omen at all the new firm is booked for a most successful career.

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THE NEW MINERAL FERTILIZER

Will produce

MORE
and
LARGER
FLOWERS

and of better
color than any
plant food ever
put on the mar-
ket.

Contains all of the
original elements
of virgin soil



The above cut shows hollyhocks, nine feet six inches high, with more blossoms and of better color than ever produced by any other fertilizer.

Write for catalogue and testimonials.

THE NEW MINERAL FERTILIZER CO.

19 EXCHANGE PLACE,
BOSTON, MASS.

To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

Use any form you choose but buy it of

E. H. HUNT, 131 N. Wabash Avenue, Chicago

PATENTS

Trademarks and
Copyrights

Send your business direct to Washington.
Saves time and insures better service.
Personal attention guaranteed.
Twenty-five years' active service.
SPECIALTY: "Working on the Failures
of Others."

SIGGERS & SIGGERS

PATENT LAWYERS

Box 9, National Union Building
Washington, D. C.

Imp Soap Spray

Clean and odorless. Forms invisible films.
Non-corrosive. Usual effective
strength, one to thirty-two.

Single gallons, \$1.50
In barrels, \$1.00

Eastern Chemical Company
Pittsburg Street
BOSTON

KILMDEAD



25 lbs. \$1.00 100 lbs. \$ 8.00 1000 lbs. \$27.00
50 lbs. 1.75 500 lbs. 14.00 2000 lbs. 52.50

Swamp & Walter Co. 50 Barclay St.
New York, C.

**Wilson Plant Oil &
Fertilizer Company**
150 Nassau Street, NEW YORK CITY
Horticultural Supplies

Write for our special Catalogue



Destroys green, black and white fly, red spider, thrips, mealy bug, brown and white scale, and all soft-bodied insects.
An excellent cleanser for decorative stock.
Used as a spray, you can rely on it for positive results, without fear of failure or dissatisfaction.

\$2.50 per gallon, \$1.00 per quart.

"FUNGINE"

An infallible remedy for mildew, rust and other fungus diseases. A clean, safe and easily applied spraying material.
It has no equal for destroying mildew on roses, and carnation rust.

\$2.00 per gallon, 75c. per quart.

FOR SALE BY SEEDSMEN.

Send for name of nearest selling agent.
Our products are not alone endorsed, but are continuously used by leading commercial growers, professional gardeners, park departments and state colleges of the country.
Aphine and Fungine can be used in house or field.

MANUFACTURED BY

APHINE MANUFACTURING COMPANY
MADISON, N. J.

Cattle Manure in Bags Shredded or Pulverized

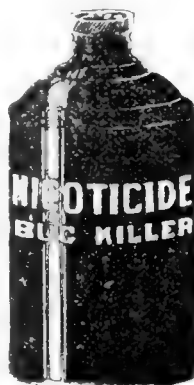


Pure—dry—uniform and reliable.
The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use.
Write for circulars and prices.

The Pulverized Manure Company
Union Stock Yards Chicago



The Best Bug Killer and Bloom Saver

For PROOF
Write to

P. R. Palethorpe Co.
OWENSBORO, KY.



DREER'S

Florist Specialties.
New Brand—New Style.
Hose "RIVERTON"
Furnished in lengths up
to 500 ft. without seam or
joint.

The HOSE for the FLOMIST
¾-inch, per ft., 15 c.
Reel of 500 ft., 14 ½ c.
2 Reels, 1000 ft., 14 c.
¾-inch, 13 c.
Reels, 500 ft., 12 ½ c.
Couplings furnished.

HENRY A. DREER,
714 Chestnut St.,
PHILADELPHIA, PA.

Cocoonut Fiber Soil

is being sought after by all growers.
Cover your lawns this fall and next
summer you can have a green one.

20th CENTURY PLANT FOOD CO.,
27 Ocean St. -Beverly, Mass.

Spray Your Trees and Do Your Whitewashing



With Deming Spray Pumps. You can have
a good crop of pears, plums, cherries, apples,
etc., if you keep your trees in good condition
—free from insects.

DEMING SPRAYERS

Are inexpensive and are suitable for white-
washing poultry houses, cellars, etc., as well
as spraying flowers, trees and shrubbery.

Get complete Catalogue and Spraying Instructions
from
CHARLES J. JAGER COMPANY
201-5 FRANKLIN STREET, BOSTON, MASS. AND
32 CANAL ST., PROVIDENCE, R. I.
ALLEN, THE GARDEN, 1911

FOR "POT LUCK" TRY US...

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS
WORLD'S LARGEST MANUFACTURERS

Pearson Street,
LONG ISLAND CITY, N. Y.

WRITE FOR CATALOGUE AND DISCOUNTS
A. H. HEWS & CO., Inc.

Main Office and Factories
CAMBRIDGE, MASS.

Flower Market Reports

(Continued from page 417)

Wagon loads of it—and no chance of a market for more than ten per cent. American Beauty roses have taken a big slump. The local growers are now in with their crops, and they are good. They may not be so bright in color yet as the eastern grown, but otherwise quite equal, and a few cool nights will bring them right up to standard even as to color. So down goes the price. All other roses are vastly improved as to quality and quantity. Carnations still rather short in the stem but otherwise very satisfactory. The orchid scarcity seems to be over. Plenty for all demands this week, labiata mostly. Tritomas are selling well; lilies a little scarcer. Items not on regular price quotations are the following: Roses—Prince de Bulgarie, \$6.00 to \$8.00; Perle, \$3.00 to \$5.00; Mrs. Aaron Ward, \$3.00 to \$5.00; Melody, \$4.00 to \$6.00; Tritomas, \$3.00; Tuberoses, \$4.00; Cosmos, 60c. to \$1.00; Sweet Alyssum, 25c.; Petunias, dbl. white, \$1.00; Candytuft and Feverfew, bunch, 25c.; Delphinium, 35c.; Ageratum, 25c.; Hydrangea, \$5.00; Golden Glow, dozen bunches, \$2.00.

The market had plenty of good stock during the last week. White flowers had the call. The warm weather of late has put a stop to much sale over the counter. Roses are in abundance in all colors. Carnations too are coming in better each day. Asters are still quite a glut and only the best are selling at all. Gladioli are shortening up as are tuberose spikes. Dahlias are now coming in in large lots. There is still a lot of outdoor truck coming in, with small demands.

WASHINGTON The market is the same as is usual at this time of year although there was a noticeable change for the better during the past week, a finer class of flowers being called for. American Beauties found an almost ready sale with some calls for gardenias, orchids and lily of the valley. However, the supply of the cheaper stock such as asters, dahlias, snapdragons and other outdoor flowers as are retailed at five cents the bunch and up, were plentiful.

A. H. Langjahr has at last got settled down into his new wholesale cut flower store at 130 West 28th Street, New York. This is located in the centre of the new wholesale section and is new throughout, well equipped and spacious, there being over 4000 sq. ft. of floor space in main floor and basement. Large flower storage boxes are being erected and every facility for handling flowers expeditiously will be supplied.

PIPE CARRIERS



We have a large stock of pipe carriers ready for immediate shipment.

They are not the kind that break. They are made of good substantial steel.

See that your pipes are supported in a safe manner before winter sets in.

Write for descriptions and prices.

THE ADVANCE CO., Richmond, Ind.
GREENHOUSES BUILDING OR CON-TEMPLATED.

Albia, Iowa—The Richey Floral Co., 512 N. 3rd street, additions about doubling its present range.

New York, N. Y.—Suhrrer & Gray, 31 East 125th street.

Thorsby, Ala.—Howard Bros., carnation house, 27 x 100.

Colorado Springs, Colo.—F. F. Crump, two houses.

Southport, N. Y.—Arthur Cockcroft, house 60 x 400.

Hempstead, N. Y.—Henry Weston, house 43 x 300.

Woburn, Mass.—Mishawum Flower Co., home 45 x 200.

Troy, Ala.—Mrs. Fannie Starke, carnation house.

Ashtabula, Ohio—Gallup Bros., range of vegetable houses.

Sheridan, Wyo.—The Sheridan Greenhouse Co., one house 25 x 150, propagating house, office and other buildings.

Wabash, Ind.—J. V. Simpson, vegetable house.

Atlantic City, N. J.—W. F. Sheain, two houses, each 20 x 75.

Evanston, Ill.—J. P. Leiter, range of houses.

Morrelville, Pa.—T. Malbranc, three houses, each 35 x 200, one 28 x 200.

Buena, N. J.—W. F. La Croix, lilac house.

Andover, Mass.—J. N. Plaiden, one house.

Milwaukee, Wis.—H. Kazmarsczek, four houses, each 20 x 125, lean-to 16 x 80; installing two J. C. Moninger Co. boilers.

New Bedford, Mass.—Edward G. Davis, 19 Shawmut avenue, addition 15 x 44.

Wellston, Mo.—Alex. Johnson, two houses.

St. Louis, Mo.—E. R. Methudy, 5943 Easton avenue, range of houses.

The Cemetery Superintendents held their annual meeting at the Continental Hotel, Phila., this week. Local attractions on the program included visits to Meehan's, Andorra, Dreer's, Landreth's and Moon's.

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(The Bermuda Easter Lily)

LET US supply your wants in Lilies this season

We think we can make it to your advantage to do so, as regards both quality and price.

The stock that we offer is not gathered indiscriminately from all kinds of sources, but is grown for us by a few selected growers, whose stocks have been worked up from the true, original stock. In order to ensure the health of the product, the bulbs are not grown on the same field oftener than one season, other crops being grown on the field the preceding year. The ground is thoroughly manured when the previous crop is grown, leaving it in a high state of cultivation, and when the lily bulbs are planted no fresh manure is used, and this prevents disease and ensures a crop of strong, healthy bulbs.

In addition to this, we do not dig our bulbs as early as they are usually dug, but leave them in the ground until they are thoroughly ripened and matured. When Harrisii is good, it leaves little to be desired. There is very little, if any, stock obtainable as good as the stock that we are offering. We are supplying only this one grade of selected stock, and when this is disposed of, we shall have no more to offer.

While the quality of the stock that we offer is of the highest, our prices are as low as, or lower than, the prices of those who offer the ordinary stock gathered from indiscriminate sources. We are sure buyers will find our stock very satisfactory, and much more so than the Japan-grown Longiflorum, which has badly deteriorated in recent years.

Bear in mind that we were the original introducers of Harrisii in Bermuda, and that we have exceptional facilities for obtaining our present supplies. Also take note that the smallest bulbs that we offer are 6-7 inch bulbs, not 5-7 inch, as usually offered.

6-7 inch bulbs, 335 to the case, \$15.00 per case; full thousand lots, \$40.00 per 1,000.

7-9 inch bulbs, 200 to the case, \$16.00 per case; full thousand lots, \$75.00 per 1,000.

9-11 inch bulbs, 100 to the case, \$18.00 per case; full thousand lots, \$175.00 per 1,000.

FERNS

We have an exceptionally nice lot of ferns in the following varieties,—good, bushy, well-grown plants that will please the most critical buyers. Plants have been grown in pots, and are thoroughly well established and nicely finished.

Nephrolepis Bostoniensis and Piersoni, 6-in. pots.....\$0.50 each

Nephrolepis Elegantissima, Piersoni, Bostoniensis, and Harrisii, heavy 8-in. plants.....\$1.00 to 1.50 each

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F. R. PIERSON COMPANY, Tarrytown-on-Hudson, NEW YORK

HORTICULTURE

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NEW YORK
BOTANICAL
GARDEN

Vol. XIV.

SEPTEMBER 23, 1911

No. 13



LILIUM SARGENTIAE

Heretofore called *Lilium demianthum* (or *leopard lily*).

Devoted to the
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(The Bermuda Easter Lily)

LET US supply your wants in Lilies this season

We think we can make it to your advantage to do so, as regards both quality and price.

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7-9 inch bulbs, 200 to the case, \$16.00 per case; full thousand lots, \$75.00 per 1,000.

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Hardy, Beautiful, Fragrant. The Finest Novelties Extant



Lilium myriophyllum

AWARDED SILVER MEDAL BY MASSACHUSETTS HORTICULTURAL SOCIETY, JULY 15, 1911.

LILIAM MYRIOPHYLLUM Mr. E. H. Wilson, the famous plant collector, collected for us the bulbs now offered, in North-western China. He describes this the finest of all Lilies. It is absolutely hardy, and is excellent for forcing. It has been predicted that it will be one of the Elster Lily of the future, and being so hardy, may be grown at home in the open air. The flowers are slightly suffused with pink, and with a beautiful shade of canary yellow at the throat, extending part way up the trumpet. It is delightfully perfumed, reminding one of the perfume of the very heavy, oppressive odor of most lilies. Blooms out of doors early in July.

October delivery. Bulbs each, \$1.50; dozen, \$15.00.

LILIAM SARGENTIAE (Hitherto known as *L. leucanthum* or *leucanthemum*). Awarded a Silver Medal by the Mass. Horticultural Society, August, 1911. The bulbs offered were so collected by Mr. Wilson. This is one of the strongest growing Lilies. The plants grow to a height of six to eight feet. The flowers vary in number from five to ten on a pedicel. The petals are greenish white, shaded purple on the outside, and greenish white in the center. The flowers have a pleasing odor, and are largely used for outdoor planting as well as for forcing. Many of the flowers are double and several colored. The flowers are somewhat later than *Lilium myriophyllum*.

October delivery. Bulbs each, \$1.50; dozen, \$15.00.

R. & J. Farquhar & Co.

SEEDSMEN AND NURSERYMEN

6 AND 7 SOUTH MARKET ST., BOSTON

Mrs. Sargent's Lily (*Lilium Sargentiae*)

This fine new lily was first discovered by me in Western China in 1903-04, when collecting for Messrs. Veitch. Bulbs were sent to England and when the plant flowered it was considered to be *Lilium Browni* var. *leucanthum*. Under the abbreviated name of *Lilium leucanthum* it received a First Class Certificate of Merit from the Royal Horticultural Society of London on Aug. 29, 1905, and bearing this name was subsequently distributed by Messrs. Veitch.

Under this name (*L. leucanthum*) this same lily is referred to and figured in *HORTICULTURE*, Vol. XI, page 105, and many times subsequently in the same paper up to as late as last week (Vol. XIV, page 39).

When collecting in China for the Arnold Arboretum I secured a large consignment of this lily (and several others) expressly for Messrs. R. & J. Farquhar & Co., Boston, Mass. This firm received them from me as *L. leucanthum* and, acting in perfect good faith, have exhibited, (awarded silver medal Mass. Hort. Soc., Aug. 1911), advertised and catalogued the lily under this name or that of *L. leucanthemum* (the latter spelling being an obvious clerical error).

On my return to this country the other day, I had occasion to look into the matter of Chinese lilies and their names. To my great surprise I found the lily named above had nothing whatever to do with true *L. Browni* var. *leucanthum*, it being in truth, very much superior. The differences are numerous and of first importance. To mention one which all cultivators will appreciate, the bulb of our new lily is always *dark-red purple* and pointed at the summit; the bulb of the true *L. Browni* var. *leucanthum* is *always white*, flattened on top and usually with centre depressed. Again, the flowers of our new lily are *always* more or less suffused with *red* or *mauve-purple* outside. Those of the true *L. Browni* var. *leucanthum* are *greenish-white* outside, *never* colored *red* or *purple*.

One always has great reluctance in interfering with an established name but there are times when this is impossible to avoid and this lily is such a case.

A detailed study of all the described species of lilies from China proved conclusively that the lily under discussion is an entirely new and undescribed species. A complete, technical description has been drawn up and under the name of *Lilium Sargentiae* this will in due course appear in a proper place.

It affords me the keenest pleasure to associate this noble lily with that charming lady, Mrs. Charles Sprague Sargent of Holm Lea, Brookline, Mass.

S. W. Wilson.

Arnold Arboretum, Sept. 19th, 1911.

Summer Blooming Lilacs

In a large portion of the west and northwest the vulgaris family can be caught by late frosts so they cannot bloom. Here with us the old-fashioned kinds our mothers raised will bloom once in about five years. There are now over 100 of the vulgaris family, but most of them try to bloom too early and are caught. Emile Lemoine, Eugene Bart and Charles Jolly are exceptions as they bloom later.

The tree lilacs are June bloomers. These are well known in the east and have lately been introduced in the west where they are very popular. These are not shrubs but trees. We have them on our grounds 4 inches through and 15 feet tall and in spring covered with a flood of bloom.

The Emodi is from the Himalayas, the home of many of our choice shrubs. I have received three kinds from France under this name, one a slow growing variety, rather tender; another has a beautiful variegated foliage but is altogether too tender for our climate. The other is the kind so generally grown by our nurserymen, sometimes labeled *Emodi villosa* and is often sent out by our leading nurserymen as *genuine villosa*. This is entirely wrong. It bears no resemblance to that wonderful variety. This sort has immense leaves as large as a lady's hand and you would not think it could be a lilac until you saw it in bloom. Though the foliage is dissimilar, yet the flowers in color and form much resemble those of the *Bretschneideri*, often known as *Emodi rosea*. The latter is a marvelous bloomer. They flower about the first of June. This year we had one bush 2 feet high which had fifty fine flowers. A clump or mass of them is a wonderful show. They are packed and crowded with masses of blooms. They are usually on hand for Decoration Day, which gives them additional value. The *villosa* is much like the *Bretschneideri*. It has narrower leaves and the blooms are much like the old vulgaris in color. As a bloomer it is equal to the *Bretschneideri*. Taken all around I think it is rated as the finest in the world. I have seen bushes 4 feet tall simply overwhelmed by such masses of bloom they seemed like single bouquets on the largest scale. Though they are from Japan, they seem very hardy. I saw them growing in Manchuria. They are rare and come high—selling from \$2 to \$5, according to size. The trouble is to secure the genuine. These, like the snowball, can be propagated by layering. Dig a trench, pull down a branch and cover it about 4 inches deep, leaving the top out and you are sure of a good plant.

The Josikaea or Hungarian lilac also belongs to the large-leaved summer blooming family. It does not propagate so freely, or bloom so freely as the other sorts. I have been thus careful in describing these varieties because I deem them such an addition to our ornamentals, especially in the west.

C. S. Hammon

York, Nebraska

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forth in Mr. Wilson's statement appearing on the opposite page, has been known hitherto as *L. leucanthum* or *leucanthemum*. Under this name it has been exhibited. has received meritorious awards, and has been sold both in England and this country. Only recently it has been found to be a new species quite distinct from and much superior to *L. leucanthum*. We heartily commend Mr. Wilson in his choice of a name in honor of Mrs. C. S. Sargent, for this superb lily.

A New England fruit show

Much interest is manifested in the second Bi-Annual New England Fruit Show which is to be held in Horticultural Hall, October 23-28, as an annex to the Industrial and Educational Exposition of the Boston Chamber of Commerce at Mechanics Building. Symptoms of a general awakening of commercial vitality throughout the New England section are unmistakable. The people are apparently in the right frame of mind to take up and enthusiastically support any movement which appears to promise a substantial advance in product and trade and in no respect more so than in the development of New England as a fruit growing country. The superior quality of New England-grown fruit is universally acknowledged, but better methods of production and marketing are indispensable and brains and capital are just as essential as in manufacturing development. The schedule of rules, premiums, etc., which has now been issued gives evidence that the plans for the big show have been laid with a due sense of the magnitude of its possibilities and an intelligent purpose to utilize and develop them in the most practical direction and to the fullest extent. As being interested in the advancement of each and every branch of horticultural industry we are pleased with the outlook and take opportunity here to extend most cordial good wishes for the success of this laudable enterprise. That it is under the direction of Chester I. Campbell whose efficient management helped so materially towards the success of the National Flower Show last spring is not the least among the good omens for this undertaking.

A dilemma

The florist will soon have one more hardship added to his load if recent doings in Chicago count for anything. It appears that they have a Gardeners' and Florists' organization in the Federation of Labor in that city, and the president of the flower unionists made a protest recently against the admission of flower pieces lacking the union label to funerals of union men in that jurisdiction. The result was the adoption of a motion to the effect that funerals of deceased union men must be conducted on a strictly union basis or no death benefits will be paid and the eight "unionized" flower shops in Chicago are duly elated. It is evident that for the union man "a rose by any other name" does not "smell as sweet" and according to the views of a young lady of the Bindery Girls' Union, the discrimination against non-union flowers should not be confined to the pillow and the gates-ajar, but to the posies for the wedding as well, which, she added was "a much more important affair than the funeral." We can see lots of trouble ahead if the fuss thus started is carried to its logical conclusion. If "it's enough to make a union man turn over in his coffin to have non-union flowers laid on it" as the spokesman for the measure asserted, the sensations of a live union young lady going to her wedding holding a non-union bouquet would be perhaps better imagined than described. "Ain't it awful, Mabel."

Lilium Sargentiae is the name now given to one of the new lilies introduced from Western China by Mr. E. H. Wilson. This lily, the subject of our cover illustration, as set

Seasonable Notes on Culture of Florists' Stock

CARE OF ROSES

The days are now becoming shorter and from now on the temperature is liable to frequent and quite low drops, so see that there is always a little heat in the pipes to keep the air of the house circulating, and thus prevent condensation. Give plenty of air on all clear days, for this is especially necessary to keep the growth from becoming soft, but guard against any strong or cold draughts striking the plants. Keep the temperature anywhere from 72 to 75 degrees during sunshine, and during cloudy weather 65 degrees will do, with from 55 to 58 degrees at night. Examine the beds very carefully from now on for when more heat is used the benches will dry out on the bottom first, while the surface will seem to be wet enough. Syringing should be done only on bright days and in the morning only, but should be done thoroughly on the under side of the leaves so as to keep red spider in check. When examining the benches if you find the feeding roots near the surface give them a light mulch of well-rotted cow manure two parts, loam one part, and a six-inch pot of bone meal to every barrow load as a mulch; use it about half an inch deep. Keep the benches clean and the plants disbudded regularly. Fumigate for the aphids weekly.

GROWING TULIPS

The forcing of tulips does not differ much from that of other bulbs. The principal point is to treat them so that they will make plenty of active roots in their flats, pans, or pots before they are brought into heat. To excite top growth without this is to spoil all chance of success. Those that are intended for inside should go into flats as soon as received. Use any good loam with one-third of well rotted manure. When the flats are filled they can go outside and receive a thorough watering. Place them where they can remain until wanted for forcing and cover with at least six inches of soil. Add a covering of some coarse manure deep enough to prevent the surface from freezing up hard. In conclusion, there are three things to be considered in having good tulips. First, secure bulbs of the best quality; second, flat them up early, and third, leave them outside until the bulbs are well rooted, otherwise they will be a failure.

HARDY PHLOX

One of the most useful of all flowering perennials. In planting phlox some consideration should be given in the preparation of the soil. They like a good strong loam above a clay subsoil which always keeps their roots rather moist. It pays to trench your ground well for this perennial, and have plenty of well decomposed manure thoroughly incorporated with the soil. Proper drainage is essential to the welfare of nearly all plants, and phloxes are no exception to the rule. Phlox can be planted anytime from now until the middle of October, which will leave it time to become well rooted before

cold weather. Plant the clumps 18 to 20 inches apart, and before the hard weather sets in throw around the roots a mulch of old manure. Every three years after they are in full flower they should be lifted and separated into clumps of three or four stalks each and replanted. By making a judicious selection of varieties a continuity of bloom can be had from June until late fall.

MIGNONETTE

From now on mignonette should be encouraged in every way to make a rapid growth. Give beds that were planted in July a light mulch of rotted cow manure and loam using two of manure to one of soil, but before the manure is put on a dusting of some fine bone should be applied to the beds. This mulch helps to keep the beds from drying out so rapidly and at the same time furnishes food, which is gradually washed down into the soil. Disbudding is very necessary work. See that plants are gone over at least once a week. The matter of supports is of the greatest importance and should not be left till they begin to fall over. A great many devices are used, but it all tends to the same purpose in keeping each plant confined in an upright position. To keep the green worm in check dust the plants with Slug Shot or spray with a teaspoonful of paris green in a common pail of water. Keep the atmosphere as cool as possible and give a free circulation of fresh air.

ORCHIDS

Now that we are coming into the short days watering should be very carefully regulated. Where the plants are not in immediate need of water, it is well to let them remain until the next day. As a guide, as to when to give water, it is well to wait for a sign of slight dryness before watering so as to wet the whole mass. This even applies to such plants as cypripediums, aerides, phalaenopsis, odontoglossums, miltonias, masdevallias, vandas, etc. It is advisable now to modify the temperature in the various divisions, so as to meet the conditions which tend to make root action less, thereby producing a more restful stage. The warm house should be kept during the day with sun 72 to 78 degrees, without sun 62 to 68 degrees, and night about 65 degrees. For the intermediate house with sun 60 to 65 degrees, night 55 to 60 degrees. The cool house 55 to 60 degrees with sun, without sun 58 degrees, night 50 to 55 degrees.

SMILAX

Be always very particular when watering smilax. It is better to look over the benches before you begin and locate the dry and wet spots which will enable you to keep the bench at an even moisture and thus ensure a more even growth through the beds. When the strings are cut don't allow the young growth to ramble and become tangled before giving them a string to run on. Give them a mulch of pulverized cow or sheep manure mixed with an equal quantity of loam about half an inch deep. Syringe once or twice a day, as the weather will allow. A night temperature of about 60 degrees suits them, and should always be maintained. Attend well to ventilating so as to admit air without cold draughts.

John J. M. Farrell

Mr. J. J. M. Farrell, 1015 N. 1st St., St. Paul, Minn. will be on the following dates:
 Formosa, Lilacs, etc. Pot Plants for Christmas, etc.
 Roses, Violets, etc. 18.

VEGETABLE GROWERS' ASSOCIATION OF AMERICA

Fourth Annual Convention, Boston, Mass, Sept. 19, 20, 21, 22, 1911

OFFICERS 1911.

President, R. L. Watts, State College, Pa.

Junior Ex-President, C. W. Waid, New Carlisle, O.

Vice-President, H. F. Hall, Brighton, Mass.

Secretary, S. W. Severance, Louisville, Ky.

Treasurer, M. L. Reutenik, Cleveland, O.

Directors: T. C. Johnson, Norfolk, Va.; Eugene Davis, Grand Rapids, Mich.; W. J. Ritterskamp, Princeton, Ind.; W. H. Weinschenk, New Castle, Pa.; Richard Hittinger, Belmont, Mass.; E. A. Dunbar, Ashtabula, O.

The fourth annual convention of this young and prosperous organization opened in Boston on Tuesday afternoon, September 19, at Horticultural Hall. Several hundred were in attendance and the hall was well

"This body of gardeners," he said, "represents the backbone of vegetable growers of America on whom 9,000,000 American people depend for their fresh vegetables, and we should feel keenly our responsibility in growing and supplying only the best that we can."

"The past season has been, on the whole, very unfavorable to market gardeners, and gardeners, like the rest of mankind, have their ups and downs in full-season or partial crops even here in Massachusetts. In the long run, however, we should consider this fortunate, for everyone who goes through such a season of depression and disappointment learns to maintain a stouter heart and will emerge from the condition with a firmer grip, a clearer vision and a stouter courage to meet all future contingencies which we may be called upon to face in our business."

dresses on "The French and English Systems of Vegetable Forcing," illustrated, by David Lumsden of the New Hampshire College of Agriculture at Durham, N. H., and "Marketing," by Paul Work of the Cornell College of Agriculture at Ithaca, N. Y.

On Wednesday forenoon the session was devoted to the following program.

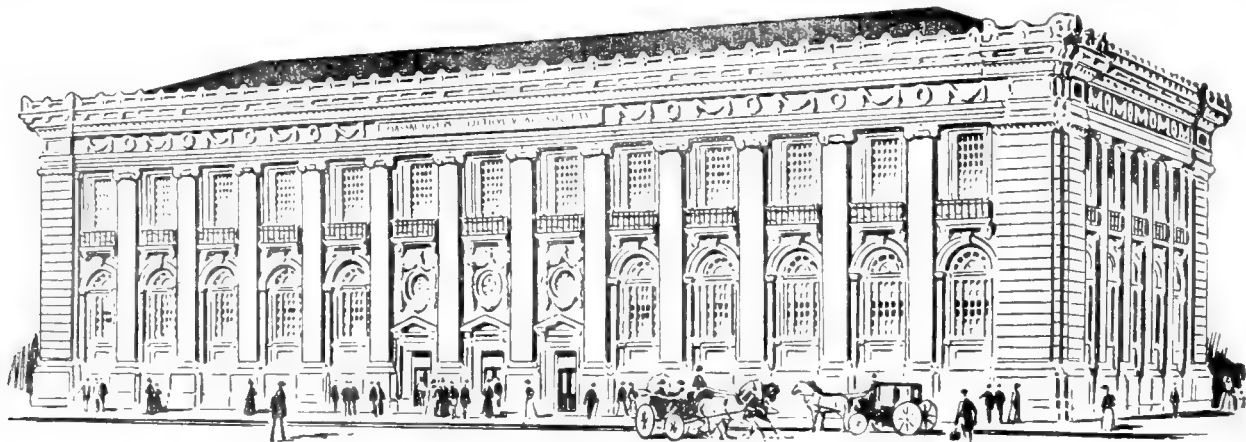
Question Box.

Address.—"The Horticultural Organizations of Ontario."—J. Lockie Wilson, Secretary Ontario Vegetable Growers' Association, Toronto, Can.

Address.—"Pre-cooling and Cold Storage of Vegetables."—Representative of U. S. Department of Agriculture.

Topic for Discussion.—"Irrigation."

The afternoon was spent in visiting some of the market gardens and greenhouses in the suburbs, by auto and trolley under the guidance of the



HORTICULTURAL HALL

filled when President R. L. Watts of State College, Pa., called the meeting to order and after a few preliminary remarks introduced Acting Mayor Walter Collins.

Mr. Collins in extending the welcome of the city said that though it was the fourth convention and the first time that the members had met here, he hoped that it would not be long before they returned for another convention. For New England, at least, Boston is a city around which cluster many large tracts devoted to market gardening, and he mentioned especially such places as Arlington, Belmont and Lexington. He referred to the value of co-operation, through which the interests of communities can best be conserved. Conventions such as these, he said, serve a useful purpose in disseminating knowledge of the business, the advantage of which many persons receive.

President H. F. Hall, of the Boston Market Gardeners' Association, welcomed the visitors in the name of the local gardeners. He said that the Boston organization felt honored in having the members of the national body with them.

The response to Mr. Hall's address was made by E. A. Dunbar of Ashtabula, O., and then President Watts of the national organization read his annual address. He dwelt upon some of the achievements of the past year, referring, as did Mr. Hall, to the unfavorable conditions of the summer.

Sec. S. W. Severance of Louisville, Ky., reported 24 states and provinces represented in the association, the membership being 214. He urged that more members be secured, especially in New England.

The report of the state vice-presidents was given by President Hall of the local body. Reports were also submitted by several standing committees; transportation rates by J. H. Rice of Ashtabula, O.; membership by H. F. Tompson of Attleboro, and legislation by T. C. Johnson of Norfolk, Va.

During the forenoon the executive committee held a session at the Copley Square Hotel, which is the convention headquarters.

In the evening another session was held at which many members of the Gardeners' and Florists' Club of Boston were present. There were ad-

local reception committee consisting of J. P. Esty, H. F. Thompson, F. Wheeler, R. Hittinger, A. Wilson, W. L. Hooper and Dana Hyde. The women's committee was made up of Mrs. J. B. Shurtleff, Jr., Mrs. H. L. Cox and Mrs. E. F. Skahan.

On Wednesday evening the program included addresses on "Greenhouse Construction and Heating," illustrated, by W. R. Cobb, Irvington-on-Hudson, N. Y., an abstract of which appears in this issue, and "Open Air Opportunities," illustrated, H. B. Fullerton, Medford, L. I., N. Y.

Thursday's program, which is being carried out as we go to press, is as follows:

9.00 a. m.

Question Box.

Address.—"Truck Crop Rotations as Practiced by Hotbed Growers of Norfolk, Va."—Mr. Burte C. Haines, Norfolk, Va.

Topic for Discussion.—"Good Seed for Market Gardeners."

Address.—"What Experiment Stations are Doing for Vegetable Grow-

ers."—Mr. C. W. Waid, New Carlisle, O.

1.30 p. m.

Visit to Horticultural Establishments and Points of Historic Interest.

6.00 p. m.

Annual Banquet.

The basement halls were used for the trade exhibits and were quite a centre of interest. Following is a list of the exhibitors:

Fottler, Fiske, Rawson Co., Boston, a fine showing of vegetables grown from their seed; also garden implements.

J. J. H. Gregory & Son, Marblehead, Mass. A splendid table of melons, squash, corn and beets, and a large collection of seed samples in glass jars.

D. Iliffe, Boston, greenhouse heating and ventilating apparatus.

Watts Bros., Kerrmoor, Pa. New process straw mats.

Bowker Insecticide Co., Boston. Lime-sulphur and other sprays.

Perth Amboy Chemical Works, New York. Formaldehyde.

Vreeland Chemical Co., New York. "Electro" arsenate of lead.

Maple Ridge Farm, Constable, N. Y. Langdon's Earliana Tomato.

Johnson Seed Potato Co., Richmond, Me. "Bug Death."

Market Supply Co., Boston. Market boxes, barrels, etc.

Stimpson & Co., Boston. Paper and twine.

Benj. Hammond, Fishkill-on-Hudson, N. Y. Slug Shot and other Hammond specialties.

A. T. Stearns Lumber Co., Neponset, Mass. Greenhouse building material.

The Advance Co., Richmond, Ind. Improved ventilating apparatus.

Geo. M. Garland Co., Des Plaines, Ill. Greenhouse building material.

Kroeschell Bros. Co., Chicago. Greenhouse boilers and heating apparatus.

Skinner Irrigation Co., Troy, O. Sprinkling device.

Means & Thatcher, Boston. Paints. American Implement & Seed Co. A fine display of agricultural seeds.

Goulds Mfg. Co., Boston. Spray pumps.

The special vegetable exhibition of the Massachusetts Horticultural Society, in connection with this convention, which opens today (Thursday) and will continue until Sunday night, is the finest display of its kind ever seen here. Every available space in the various halls is occupied and the quality of the material shown is superb. The Boston Market Gardeners' Association appropriated the sum of \$500 towards the prize schedule.

Detailed account will appear in next week's issue.

PENNSYLVANIA HORTICULTURAL SOCIETY DAHLIA AND PERENNIAL SHOW.

The principal features of this exhibition were the displays of W. Atlee Burpee & Co., in dahlias and Joseph Hurley in perennials. The Peacock Dahlia Farms came in at the eleventh hour, and put up a good collection of their best dahlias.

In the Hurley collection we noted *Begonia gracilis*. Besides being a good bedding plant this is excellent as a cut flower for table decoration. St.

Bridgid anemone was also well shown in its various colors. *Amaranthus tricolor* was another good thing—good for decorative effects when cut. The balance of this good collection was made up of fall asters, gladioli, zinnias, sage, helianthus, marigolds and roses.

Burpee put up probably the most artistic dahlia exhibit that has ever been seen here. It was not only artistically arranged in flat and pyramidal masses—with a background of *Eulalia Japonica zebrina* and fall foliage, but it contained quite a number of new and unique varieties of dahlias that have never before been seen in this country. George W. Kerr, who is an old experienced hand in exhibition work in the great shows of the old world, as well as the new, is Mr. Burpee's expert in the growing and staging of these (as he has also been in sweet peas and other things in the past few years), and he points out some wonderful new varieties which we have not before seen exhibited. One of the most conspicuous is Golden West, a cactus, and one of the best we have seen; Mrs. Reginald Bailey, rich claret, cactus, rounded petals, free, open and graceful—a lovely flower which will yet be heard from; David Burpee, a magnificent decorative, yellow flushed with rose. Other good ones in this collection were Flag of Truce and Snowden—both of the cactus type. One of the loveliest pinks was Mrs. McMillan and for an old-rose shade Daisy Staples shone out conspicuously. Of the fine old English show varieties that have seldom if ever been displayed here before we may mention David Saunders, Mrs. John Downie and Daniel Cornish. These were centers of attraction to many of the old-time gardeners. While the "Golden West" variety was perhaps the star attraction of this fine exhibit the two varieties at each side of the center—Ethel Maule, white, and Jack Rose, crimson, stood out very conspicuously. The Peacock Century novelties and their Dorothy Peacock and others were staged in fine condition and received much favorable comment.

R. & G. Rosbach of Pemberton, N. J., staged a nice little collection of some fifty varieties, these being under the personal supervision of Mrs. Rosbach. W. F. Bassett of Hammononton, N. J., sent in eight of his new seedlings. These were mostly single. The best one was a crimson edged with gold, medium size, magnificent texture and substance, fine form and charming color; ought to make a good shipping variety—therefore, valuable commercially, and that after all is the final test. Some of the loveliest productions of flower breeders have gone by the board for lack of this great essential.

In the aster exhibit, Semple, Peerless, and Electric were the principal varieties. They call for no special comment as none of them were beyond the average in any way. Messrs. Morrow, Little and Aiken were the chief prize winners.

Roberts took first for zinnias of the new Haageana type. This was a Dreer premium. Can't see much in this Haageana thing, but have great respect for Dreer's and Roberts' judgment. If we can enthuse later if we

see it better—nobody will be more enthusiastic than yours truly. John McCleary sent a collection of vegetables. They won a prize.

There was very little competition in this show. Many of the classes were not entered for at all. Maybe it was the season. Maybe anything. Anyway, we have told the story and leave comments to those better informed than your correspondent. If it hadn't been for Burpee and Peacock and Hurley it would have been no show at all. What's the matter with Philadelphia, horticulturally? We leave the answer to Robert Craig and J. D. Eisele.

NEW ENGLAND DAHLIA SOCIETY.

The interior of Horticultural Hall, Boston, presented a scene of remarkable beauty to the crowds who visited the fourth annual exhibition of the New England Dahlia Society, which was opened on the afternoon of Friday, September 15, and closed on Sunday night. There were many fine displays not in competition which do not appear in the list of awards. Altogether the show was a very creditable one considering the very unfavorable weather this season.

J. K. Alexander of East Bridgewater showed nearly 1400 blooms.

The Fottler, Fiske Rawson Company had a fine showing of seedlings, and other exhibitors were George L. Stillman of Westerly, R. I., George H. Walker of North Dighton, the Henry F. Michell Company of Philadelphia, whose exhibit was raised on the Peacock Dahlia Farms, E. F. Dwyer of Lynn, Mrs. L. A. Towle of Everett, Henry R. Wirth of Providence and James M. Adie of Marblehead.

Following is the list of awards:

PROFESSIONAL CLASS.

Twelve Named Cactus Dahlias—First, George L. Stillman; second, E. F. Dwyer.

Twenty-Four Named Cactus Dahlias—First, George L. Stillman; second, C. Lindvall & Co.

Twelve Named Decorative Dahlias—First, W. D. Hathaway; second, C. Lindvall & Co.

Twelve Named Show Dahlias—First, George L. Stillman; second, Mrs. L. A. Towle; third, C. Lindvall & Co.

Twenty-Four Named Show Dahlias—First, W. D. Hathaway; second, George L. Stillman.

Twelve Named Pompon Dahlias—First, George L. Stillman.

Vase of Eighteen Blooms Red Cactus Dahlias—First, C. Lindvall & Co.

Vase of Eighteen Blooms Cactus Dahlias, "Mary Service"—Second, C. Lindvall & Co.

General Display of Dahlias, all Classes Admissible—First, J. K. Alexander; second, Mrs. L. A. Towle.

Award of recognition for new seedling dahlias, for Henry R. Wirth and E. F. Dwyer.

First-class certificate of merit for new seedling dahlias—Mrs. L. A. Towle, for white decorative dahlia, "Ernest E. Towle"; George B. Gill, for red cactus dahlia, "Mrs. E. M. Gill."

AMATEUR CLASS.

Six Named Cactus Dahlias—First, Herman L. Winter; second, Parker A. Mansfield; third, John E. Stokes.

Twelve Named Cactus Dahlias—First, Herman L. Winter.

Six Named Decorative Dahlias—First, Herman L. Winter; second, Parker A. Mansfield; third, John E. Stokes.

Six Named Show Dahlias—First, Parker A. Mansfield; second, John E. Stokes.

Vase of Twelve Bloom Red Dahlias—First, George B. Gill; third, Herman L. Winter.

Vase of Twelve Bloom Maroon Dahlias—First, Herman L. Winter.

Vase of Eighteen Blooms, a combination of classes and colors—First, George B. Gill; third, Herman L. Winter.

NEWPORT HORTICULTURAL SOCIETY.

This Society held its autumn exhibition Sept. 16, 17 and 18, and in spite of adverse conditions of the season many excellent exhibits were staged. The main exhibitors were James Boyd, gardener for J. J. Astor; C. M. Bugholt for Miss Fanny Foster, Wm. Grey for Mrs. Wm. B. Leeds, John A. Forbes for August Belmont, John Mahan for H. D. Auchincloss, John Fletcher for Captain P. W. Hourigan, S. Speers for W. B. Green, Wm. Barclay for H. A. C. Taylor and J. Robertson for Mrs. T. O. Richardson.

James Boyd was the most extensive exhibitor, especially in the classes for plants, and had to his credit the first prize in the classes for specimen palm, collection of table plants, six dracaenas, twenty-five gardenias, six nectarines and six peaches. C. M. Bugholt was the main exhibitor in the dahlia classes and was awarded the blue card in almost every exhibit, his collection of twelve cactus varieties being noteworthy. They were as follows: Glory of Wilts, Snowdrift, Australian, Johannesburg, Marathon, C. H. Curtis, H. H. Thomas, Mrs. T. W. Willis, Snowstorm, Rev. T. W. Jamieson, Lady Fox and Gwendolin Tucker. Sisson & Thurston, representing the commercial growers, had also an excellent collection of fifty varieties for which they were awarded the R. & J. Farquhar prize. Single dahlias were also well represented by J. Robertson. A new white variety named "The Bride" was said to be the best seen here. John A. Forbes was the winner of the Mrs. Goellet prize for a table of outdoor flowers tastefully arranged, and was also first in other important classes. The silver cup offered by Henry A. Dreer for collection of hardy perennial flowers was awarded for the second year to John Mahan, who also won the Joseph Breck & Sons' silver cup for best collection of annuals. The silver cup donated by Stumpp & Walter Co. for collection of twelve species of vegetables was awarded to Wm. Grey, John Fletcher being a close second in the class. Mr. Grey was also the winner of the E. J. Berwind prize of \$25 for a table decoration showing originality. His floral arrangement was a representation of a May pole with the base and top widened out and decorated with asparagus Sprengeri, Clematis paniculata, stemmed flowers of the Mrs. Francis King gladiolus and streamers of narrow pink and white ribbon, all bringing out an effect that caused much favorable comment. The table decorations for the R. L. Beeckman prizes proved to be the hardest task the judges had to decide on, they taking over an hour to select a first out of four that all seemed nearly perfect in every detail, one being equipped with a gold service valued at several thousand dollars with a centre piece of cactus dahlias nearly matching in color; but another with a brighter setting of silver and china and a centre piece of the pink single dahlia Imperialino was finally awarded the blue card, the first described taking second place. Mrs. Herbert Coles is the winner of the first prize and her husband the second, the third was won by Hugh Meikle, assistant gardener at the H. M. Brooks estate.

Other important awards are as follows: For table decorations by commercial

florists, Mrs. B. Hammond Tracy. Dish of Adiantum Farleyense, John A. Forbes. Dish of foliage plants, J. A. Forbes. Kewia in twelve-inch pot, J. Robertson. Centre piece of dahlias, Jas. Sharkey, gardener for Mrs. E. H. G. Slater. Fancy basket of dahlias, A. S. Meikle. Fancy basket of outdoor flowers other than dahlias, Mrs. B. H. Tracy. Six vases outdoor flowers, Mrs. B. H. Tracy. Collection seedling dahlias, A. Alderson. Collection seedling dahlias by amateurs Harry V. Mayo.

Special awards—First class certificate of merit to B. Hammond Tracy for display of gladioli. Honorable mention for display of gladioli and first class certificate for gladiolus Panama to J. Lewis Childs. Certificate of merit for Asparagus elongata to J. Robertson. Cultural certificate for eighteen varieties of apples and bronze medal for vegetables to Wm. Barclay. Cultural certificate for collection of peaches to H. Thurston. Cultural certificate for collection of southern fruit to Charles Newton. First class certificate for white seedling cactus dahlia "Danny Boy" to C. M. Bugholt. Honorable mention for seedling dahlias to Alex. MacLellan. Among the visitors were: Maurice Fuld, representing the H. Michell Co.; Joseph Manda, P. J. Van Baarda, Mr. and Mrs. B. Hammond Tracy and John Lewis Childs.

The judges were Richard Gardner, James McLeish, J. J. Sullivan, C. D. Stark, Stewart Ritchie and Paul Valquardsen, and Mrs. B. H. Tracy assisting in judging table decorations.

The attendance was somewhat better than at some previous exhibitions and fine weather favored all.

HORTICULTURAL SOCIETY OF NEW YORK.

The Horticultural Society of New York held a small but most interesting exhibition of autumn flowers in the Museum building of the Botanical Gardens, on Sept. 16 and 17. Stormy weather for several days previous and on the morning of the opening day was responsible for many absentees, both as regards exhibits and attendance, nevertheless, 'twas well worth seeing from many points. James Stuart of Mamaroneck, N. Y., won five first prizes in the classes for asters. They formed a pretty table of well-grown blooms. P. W. Popp, also of Mamaroneck, won eight first prizes in dahlias. They were a remarkably fine lot of flowers considering the season we have had, and Mr. Popp deserves much credit for the quality, variety and extent of his exhibit. Mr. Stuart won a first for his vase of single dahlias. John Lewis Childs put up a good exhibit of dahlias, tritomas and montbretias, not for competition, and there was a very interesting exhibit of berried shrubs and hardy flowers from the grounds of the Botanical Gardens. Richard Richter was manager of the show. A meeting of the society was held in the afternoon and plans perfected for the Chrysanthemum Show to be given in November.

George V. Nash delivered a splendid illustrated lecture on the fruit orchards of the northwest. Mr. Nash has recently returned from an extensive tour of the orchards of the state of Washington, and is well able to describe them from every point of view. There was a large attendance.

ROCHESTER (N. Y.) FLOWER SHOW.

The attitude of the Rochester public toward the flower shows that have been given by the Rochester Florists' Association has caused some doubts to arise in the minds of some of the members as to the advisability of holding a show this year. The matter is left in the hands of the Exhibit Committee.

Should this committee, which is made up of C. H. Vick, F. J. Keller, A. H. Salter, E. P. Wilson, E. R. Frey, F. R. Schlegel, J. M. Keller, R. Ballantyne, C. B. Ogston and Charles Suhr, decide that the association will again undertake a show, then it will be held in November. The committee will meet this week and will report to the association at a special meeting to be called within two weeks.

Last year 28,000 people attended the show during the five days it lasted; the year before 22,000 attended during three days. The first figure should read 40,000, if the Rochester people were doing what they should. If the committee could be convinced that the 40,000 mark could be reached this year, it would probably have no hesitancy in declaring itself in favor of a 1911 show.

THE VINCENT FLOWER SHOW.

The Maryland State Horticultural Society on September 26 will hold a meeting at the Vincent Farm, Cowenton, Md., in connection with the Fifth Annual Dahlia and Flower Show given by Mr. Vincent.

The whole of the property will be thrown open to the inspection of the guests. They will be able to see forty acres of dahlias in full bloom, ten acres of cannas and five acres of perennial phlox. In addition an inside exhibition of dahlias will be given, showing effects in arrangement, and there will be displays of farm and household produce. The show will continue to September 29. The following schedule of trains are given for the information of those desiring to attend: Special trains will leave Camden Station at 12.40 p. m., stopping at Mount Royal and Gay Street stations. Returning, leave Cowenton 6 p. m. Regular trains will leave Camden Station 8.15 a. m., 2.10 and 5.00 p. m. Last train will leave Cowenton for Baltimore at 7.17 p. m. Train No. 517 leaving Philadelphia 8.15, Wilmington 8.50, Newark, Del., 9.09, will stop at Cowenton at 10.27 each day of the show. Cowenton is located on the Baltimore & Ohio R. R. line. The show will be open daily until 8.00 p. m. with the exception of September 29, when the closing time has been set for 10.00 p. m.

EXHIBITION SCHEDULES RECEIVED.

Connecticut Horticultural Society.—Chrysanthemum Exhibition, Putnam Phalanx Hall, Hartford, Conn., Nov. 8-9, 1911. Secretary's address, George W. Smith, Melrose, Conn.

Morris County Gardeners' and Florists' Society, Sixteenth Annual Flower Show, Assembly Hall, Madison, N. J., Thursday and Friday, October 26 and 27, 1911. Secretary, Edward Reagan.

Huntington Horticultural and Agricultural Society.—Ninth Annual Exhibition, Trade School Building, Huntington, L. I., N. Y., September 29 and 30, 1911. Secretary, A. H. Funnell.

CLUBS AND SOCIETIES

GARDENERS' AND FLORISTS' CLUB
OF BOSTON.

The first meeting of the season of this club was held Tuesday evening, September 19, in Horticultural building. The little hall where the meeting was held seats 175 people, and practically every seat was occupied—a pretty good showing for a starter.

Not much business was done it being the desire of many members to attend the session of the Vegetable Growers' Association in the lecture hall. Resolutions on the recent deaths of F. R. Mathison and John Flood were presented and adopted. Three of the members, Thomas J. Grey, Thomas Pegler and Wm. Collins, who have been abroad this summer, were severally called upon and related their experiences and their views on the various countries they visited. Mr. Grey was particularly eloquent in his praise of England and Scotland, and did not overlook Ireland, in all of which places he visited the botanic gardens and other horticultural places. France he found terribly dried up. Mr. Pegler said that at Belfast he saw the finest sweet peas he had ever seen, and the tuberous begonias impressed him greatly. He predicted some surprises in the near future in the way of Dickson roses. Kew showed the effect of the dry season.

A vote of sincere thanks was extended to the Gardeners' and Florists' Club of Baltimore for courtesies extended to Boston visitors at the recent S. A. F. Convention in that city.

Prof. White of Amherst addressed the meeting, urging that the club get into closer touch with the Agricultural College and endeavor to secure the services and co-operation of this state institution on behalf of floriculture in equal measure with the fruit and market garden and other interests. Agreeably to Prof. White's suggestion, President Miller appointed Messrs. John K. M. L. Farquhar, Robert Cameron, Wm. Sim, Eber Holmes, Peter Fisher, J. A. Pettigrew and Thomas Roland a committee to act on the lines proposed.

The exhibition table was nicely filled. From W. W. Edgar Co. there was a nice show of seasonable plants—Lorraine, Turnford Hall, and Glory of Cincinnati begonias, cyclamens from Grey's seed, etc. R. & J. Farquhar & Co. showed *Viola cornuta* purpurea, a splendid dark flower, perfectly hardy; also some herbaceous flowers.

AMERICAN ROSE SOCIETY.

At the convention of the S. A. F., held in Baltimore, a joint conference meeting of the American Rose Society, the Carnation Society and the Sweet Pea Society was held. The subject under discussion was an early spring show of all these societies. It was determined to try to unite the carnations and the roses in one exhibition, to be held January 10, 1912. At its regular meeting the American Rose Society ratified this action. The Carnation Society having made a date later in the month, awaited final action by its board of directors, which is given. So

that the dates of January 10, 11, 12, 1912, are fixed for the annual exhibition of the two societies, to be held in the city of Detroit. Hon. Philip Breitmeyer has given assurance that everything possible will be done locally to make the exhibition successful.

Detroit is a city of homes and door-yards, and is sure to give a large attendance. The Prize Schedule of the Rose Society will be prepared and published without delay. The two medals of the American Rose Society awarded to the Minneapolis Rose Society and at the Annandale Rose Show have been properly inscribed, cased and delivered.

The gold medal voted to Mr. M. H. Walsh of Woods Hole, Mass., in recognition of work done by him in the development of the climbing rose, is under way. This is the second gold medal awarded in the history of the American Rose Society.

BENJAMIN HAMMOND,

Secretary.

Fishkill-on-Hudson, N. Y.,

ST. LOUIS FLORIST CLUB.

The September meeting of the Florist Club was fairly well attended. President Cannon, who had presided over the meetings for the past year, opened the meeting. The auditing committee reported that the books of the secretary and treasurer were in first class shape. Letters were read from the Chicago Florists' Club inviting the members to attend the next meeting, October 5th, and help them celebrate their 25th anniversary, which was accepted and the chair appointed as a committee W. C. Smith, J. J. Beneke, D. Geddes and A. S. Halsted to make arrangements for the trip. The appointment of a committee to assist the Retail Florists' Association to further their bill to prohibit crepe pulling, which is now before the House of Delegates, was laid over for the next meeting.

Messrs. Guy, Ammann and Fillmore acted as installation officers. President-elect Windler had not yet returned from his wedding trip, so they proceeded to install Vice-President-elect F. Vennemann, who at once took the chair and was followed into office by Secretary Beneke, Treasurer Smith and Trustee Frank A. Weber.

The opening of the question box found a number of questions on which lively discussions followed.

MORRIS COUNTY GARDENERS'
AND FLORISTS' SOCIETY.

The Morris County Gardeners' and Florists' Society held its monthly meeting Sept. 13. About 40 members were present to discuss the schedule and make final arrangements for the show. The schedule will have over 80 classes in it when the new special prizes are put on. The National Gardeners' Association are to hold their convention in Madison this year and at the time of the Flower Show. Many of them are to exhibit here as well—to make their expenses you know. The prizes will be here and we want to give all an equal chance.

E. R.

NASSAU COUNTY HORTICUL-
TURAL SOCIETY.

The regular monthly meeting of this Society was held in Glen Cove, Wednesday evening, September 13. The judges for the exhibits were Messrs. Cliffe, Johnson and Marshall, and their decisions were as follows: Society's prizes—Corn, F. Petroccia; potatoes, H. Boetther; melon, S. J. Trepess; honorable mention to E. Brown for peaches; thanks to F. Petroccia for Brussels sprouts.

Henry Gaut on behalf of Mrs. H. L. Pratt, offered a silver cup as a special prize for the coming fall show. A. Walker on behalf of Mr. R. C. Smith, offered \$15 as a special prize for a vase of chrysanthemums, 8 blooms, one variety, for the fall show. These donors were both accorded a unanimous vote of thanks.

J. N. Hoff of the Alphano Humus Co., gave a very interesting talk on "Humus, and the Benefits to Be Derived from Its Use on All Soils," and was given a very hearty vote of thanks.

The competition in October will be for three heads of celery, vase of pink cosmos and three heads of cabbage.

E. W.

CLUB AND SOCIETY NOTES.

The Chicago Florists' Club have decided to place the cost at \$1.50 per plate for the banquet to be given Oct. 5th.

The second annual flower show of the allied associations at Andover, Mass., was held on September 2, and was as good as, if not better than that of last year, notwithstanding the very unfavorable weather conditions.

Members of the Indiana State Florists' Association are planning to charter a special car to go to Newcastle, to attend the meeting of the organization, Oct. 3. A. F. J. Baur, the secretary, says it is expected that twenty-five florists from Indianapolis and other cities will compose the party.

The New Haven County Horticultural Society held a dahlia exhibition at Harmonie hall, New Haven, Conn., Wednesday and Thursday, Sept. 6 and 7. The managers were John H. Murray, William H. Beattie, David Kydd, John C. Morton, John N. Champion, Frederick H. Writz, Robert Paton, James Kydd and R. Bell, and the exhibition was in charge of John H. Slcombe, chairman, and an efficient committee.

THE CARNATION GROWERS'
FRIEND.

The Fisher Carnation Clip, advertised by E. H. Hunt in this issue, is the best device ever offered to the carnation grower for the purpose intended. As well stated it is a great saver of time, expense and bother and is also economical for it will last a life-time. Read what they say about it.

DISASTROUS EFFECT OF DROUGHT IN EUROPE:

Later detailed advices more than confirm the discouraging reports we have previously published regarding the disastrous effect of the hot summer weather and long continued drought in Europe upon growing crops. In England, and many parts of France and Germany there have been no effective rains for over three months, and in places where stock could not be artificially watered the growing crops are shrivelling up.

Of Manetti roses, which come principally from England and France, in both countries there will be less than half a crop. The grade of those shipped will necessarily be inferior. Practically all of the available crop was bought up before June. It is doubtful if American buyers will get more than 60 per cent. of their requirements; then only where they ordered before June.

In Germany the season was the hottest and driest they have had for 73 years. The effect upon the crop of lily of the valley pips is problematical, though it is almost sure that the product will be inferior to former seasons. As a precaution most firms are refusing to book further orders except at a considerable increase in price.

France is particularly unfortunate. They grow for export millions of young fruit and ornamental stocks. Even artificial watering is ineffective, as the wells are dry. Prices rule much higher than usual and there will be many shortages on orders.

Belgium has not suffered so much, as their export stock is all artificially watered, but the exceptionally hot summer weather shows its effects in the azaleas there. They will be smaller and more stunted in growth than usual. Crop is up to normal, though the varieties Mad. Van der Cruyssen, Mad. Petrick, Simon Mardner and Vervaeana remain scarce, and most growers are limiting orders to percentages of these varieties.

PERSONAL.

Robert Wallis is now employed by the Erie Floral Co., Erie, Pa.

William Jurgens, of Newport, R. I., will sail on September 28th for a two months' trip in Europe.

John McKenzie, of North Cambridge, Mass., has returned from a two months' visit to Scotland, very much pleased with his trip.

Miss Minnie Barth, manager of a floral shop in Elkhart, Ind., just for fun registered for the Minot, North Dakota, land drawing, and drew 160 acres.

Bert Woods is now employed as packer by the Chicago Flower Growers' Association, Chicago, Ill. He was formerly employed in the Chicago market.

Thomas J. Grey arrived in Boston via Montreal on the 7th inst. from his European trip. He found every place scorched up by the heat and drought except Scotland and Ireland, both of which countries were vividly green and beautiful. Mr. Grey looks well and greatly improved by his summer outing.

James A. Budlong, of Auburn, R. I., one of the most widely known florists in the country, last Tuesday positively

LILIUM HENRYI.



A splendid lily of recent introduction from Northern China. Sometimes called "The Yellow Speciosum." Flow-

ers apricot yellow, spotted with chocolate. The illustration shows a field of this lily at the nurseries of R. & J. Farquhar & Co.

declined to accept the Republican nomination for the Mayor of Cranston, the "baby city" of Rhode Island. The citizens of Auburn, where Mr. Budlong is located, as well as other parts of the city, feel that he would be an exceptionally strong candidate. Last year an attempt was made to induce Mr. Budlong to enter the political arena without success.

Visitors in Boston: James Currie, superintendent of parks, Milwaukee, Wis.; Carl Jurgens, Newport, R. I.; Hugh Medcalf, park department, Rochester, N. Y.; Prof. E. A. White, Amherst, Mass.; H. C. Neubrand, Providence, R. I.; L. J. Reuter, Westerly, R. I.; David Smith, Stranraer, Scotland.

PROVIDENCE NOTES.

J. Kopelman has just completed many improvements in his store on Washington street.

Nathan D. Pierce, manager of the Norwood Floral Company and Home Nursery at Norwood, R. I., returned Saturday from New York, New Jersey and Philadelphia on a business trip.

Johnston Bros. furnished a very handsome floral slipper for the opening of the shoe department of one of the large department stores this week. The slipper was made entirely of lilies of the valley and orchids.

Albert Holscher of Hartford avenue, is contemplating a trip to Argentine Republic for the purpose of securing a stock of orchids with which to stock a new house built for that purpose in addition to his present range.

Walter S. Nichol of Hamden Meadows, Barrington, met with a considerable loss last week when a tornado swept over that place lifting the roofs

of several of his houses. Between 500 and 600 panes of glass were broken.

While at work trimming trees in Swan Point cemetery, Otto Carlson, an employe of the Everett Forestry Company, fell from a big elm dislocating both wrists. He was rushed to the Memorial Hospital, Pawtucket, for treatment and later conveyed to his home. Some of the cords were torn, and a small bone was fractured in the right wrist.

Patrick J. Henry, Jr., of this city, has brought suit against George Johnson & Son in the Superior Court, seeking damages to the amount of \$1,500 as a result of injuries received while in the employ of the defendant. The plaintiff was at work trimming trees, when it is alleged that the ladder on which he was standing gave way precipitating him to the ground several feet below. The suit is based on defective apparatus.

Work on the new flower market organized two weeks ago, is being pushed rapidly at the new quarters on Washington street, opposite the City Hall, an ideal location for a market place. It is the intention of the directors to have the store completed and ready for business, October 1. The directors of the new organization are: John A. Macrea, 1255 Smith street, Alexander Macrea, 1138 Smith street, both of Providence; J. H. Cushing, Quindnick, R. I.; Walter S. Nichols, Hamden Meadows, R. I.; and Fred Hoffman, of Pawtucket, R. I. The following persons were elected officers of the association: President, John A. Macrea; vice-president, Walter Macrea; secretary, E. E. King; treasurer, Olney H. Williams.

GREENHOUSE CONSTRUCTION AND HEATING

An Illustrated Address before the Vegetable Growers' Association of America at Boston, Mass., by W. R. Cobb of the Lord & Burnham Company.

The subject which I have been assigned to speak on this evening, is a most interesting and extensive one. It is so extensive that it is impossible in one evening to touch other than briefly on the various parts and the part each of the various details plays in the finished structure of an up-to-date greenhouse. Each of these parts, such as the superstructure, ventilation, plant benches and heating, are capable and worthy of considering separately.

But as it is not possible for us to have more than one session, I shall try to cover the subject in a general way and trust that our time together may be profitable. I shall not try to go into mathematics and other of the various sciences which are called into requisition in designing an up-to-date greenhouse, but simply present in a pictorial way, the results that have been obtained and progress made.

The Old Type of Greenhouse.

It is a long step from the cumbersome greenhouse of 50 years ago, to the modern cobwebby structure of today. The illustration which we have before us on the screen, is typical of the early greenhouse. They were generally built against a high wall, the wall being on the north side. This wall was quite a factor in supplying heat during the night. You know how a piece of masonry will absorb heat with the sun shining on same, and how it feels warm for a long time after the sun has ceased to shine upon it. So these high walls absorbed the heat and gave it up to the greenhouse during the night. In those days, the only method of heating was to have a stove or a long flue either of pipe or masonry running the length of the greenhouse, through which heated air generated by a furnace was attempted to be carried.

Now as the construction of the superstructure, a heavy wooden sill was placed on top of the front wall. Heavy wooden rafters were placed about 3 feet apart and sash glazed with glass only 6 inches wide, were placed in the roof. The top sash was arranged to slide down for ventilation and was operated with a system of ropes and pulleys.

The crops raised in houses of this type were far from satisfactory as you can readily realize, as with the amount of wood used in their construction and the narrow glass the percentage of light admitted was very small, to say nothing of the cold air admitted through imperfect construction.

Later, full span houses were built of similar construction.

Mr. Lord, who was the founder of the L. & B. Co., was a great lover of flowers and also a thorough mechanic. He had a small greenhouse in his yard built similar to the last one I have shown you. Mr. Lord became dissatisfied with the results obtained and made up his mind that if horticulture

was to make any progress it would be necessary to greatly improve the construction of the greenhouses, so he built himself a house which proved to be so far ahead of anything yet built, that his services were soon in demand among the local community. It was not long before the success attained in these new houses spread beyond these narrow limits and the greenhouse business, as a business by itself, was launched. It has continued from that time to grow until it has reached its present proportions. The outlook for its continued expansion, improvement and stability is bright.

Construction and Principle.

The house adopted and built by Mr. Lord was the same as is universally used today, namely building the roof as a permanent sash, with separate small ventilating sash at the ridge. This method increased the amount of light in the greenhouse as well as furnishing a weather proof construction. Methods of supporting the roof members are today numerous, but they all are simply a means of making the principle stated above, stable and lasting. In the early days there was no glass on the sides. Walls of brick or stone were built and the roof sprang directly from the top of these walls. The inside level of the greenhouse was generally on a lower level than the outside grade. This was done so as to reduce the surfaces exposed to the outside air as much as possible. Most of the houses were narrow and the plant benches were so close to the glass that it was impossible to grow plants of any size except on the outer edge of the benches.

The next step forward was to make the roof curved instead of straight.

The roof was constructed with two radii, the lower one being about 8 feet radius, the upper 45 feet. This gave more room for the plants on the outside of the plant beds. The glass was not bent, but short lights were used and as the radius was large compared to the length of each light, the difficulty was solved the same as in building a curved part to a brick house with ordinary straight bricks.

With the introduction of hot water and steam as a heating medium, it became possible to increase the width of greenhouses, and houses of 20 to 25 feet in width became common. This gave room for a centre plant bench.

Then came the introduction of glass on the sides increasing the height from the walk level to the gutter line. By doing this it was possible to build the roofs without the curves and still have room on the side benches for medium sized plants. The masonry wall was cut down to almost grade and wooden vent panels about two feet high placed on the sides below the top of the plant bench. This in a measure is an ideal way of ventilating a house where side ventilation is required, as the cool air from outside has to first pass over and around the heating pipes, which takes the sting from the air.

Iron Construction Introduced.

At this time commercial houses were built with locust posts set about

three feet in the ground and four feet above, and boarded up to the eaves. As the tendency towards wider houses increased and wood decreased in quality it became necessary to find some construction that would take the place of that then in use. The use of iron as a building medium was at this time attracting attention, and to this metal attention in the construction of greenhouses was turned. Cast iron sills were substituted for the three-piece wooden sill and iron rafters and purlin.

The first iron frame greenhouses to be built were those for Mr. Jay Gould, at Irvington, N. Y. Here a cast iron sill capped the masonry walls and iron rafters and purlins capped with wood were used to support the superstructure. The principle of this construction today is still used in all iron or steel greenhouses. The details may be changed but the principle of having the iron or steel framework on the inside of the greenhouses, while all members which receive the glass are of wood. This construction after repeated experiments has proved the most suitable to our variable climate and has stood the test well.

The next important step in the construction of commercial houses was the introduction of what is known as the Cast Iron Foot Piece Construction. A post or foot piece made of cast iron was placed in the ground about 30 inches, and to these the steel rafters were bolted. The sides up to within two feet of the eaves, were built of two thicknesses of boards with paper between. This made a cheap and substantial construction.

Next wooden gutters and eave plates were dropped out and angle iron used in their place. The bars and rafter caps were fastened to this angle iron with a small cast iron fitting. The eave plate having part of its surface exposed to the inside temperature of the greenhouse conveys the heat to the outside surfaces and to a certain extent prevents the formation of icicles on the outside. Certainly it was and is a great improvement over the wood plate and gutter, which were the first members in a greenhouse to decay.

Use of Concrete and Hollow Tile.

Concrete and hollow tile are now being used for the sides instead of double boarding. Where hollow tile is used, it is necessary to plaster the outside and inside surfaces of same with Portland cement mortar. Then, too, the tile have to be cut, and it requires more or less time and ingenuity to use the tile to the best advantage without waste. From observation and tests it seems as if concrete made with clean cinders was the cheapest and best to use. The cinders being more or less porous, makes a concrete full of air cells which accomplishes the same results as the hollow spaces in the tile. The walls need only to be four inches thick, and when a light cast iron sill is placed on top of same you have a construction which is practically indestructible, and as the upkeep is small, this form of construction is the cheapest in the end.

During all this time, the distance between the rafters has steadily increased, the wood members made smaller and the width of the glass increased. From glass six inches wide to 24 inches is the history, although for many reasons of economy, glass 16 inches wide has been and is generally used.

Ventilating sash are now made continuous instead of a number of separated sash.

As the glass has increased in width, so has the width of the houses, so that now houses 30, 40, 55, 60 and 75 feet are common. Some have been built over 100 feet, but it is doubtful if houses as wide as this are a success unless built on a slope so that the roof can have sufficient slope to properly shed the water and not have a shower on the inside as well as the outside. A pitch of 32 degrees in houses up to 30 feet in width is preferable, and from 30 to 50 feet 28 degrees have been found a good angle for roofs, but 26 degrees is all right for houses 50 feet and over.

Now as to Supports.

30 foot houses require no columns.	
35 " " " " " " " "	two columns.
40 " " " " " " " "	two columns.
55 " " " " " " " "	four columns.
60 " " " " " " " "	four columns.
70 " " " " " " " "	six columns.

There are several firms building greenhouses in which the principle of construction is to truss the roofs, thus eliminating columns to a great extent. This would be all right if the trusses were constructed on a compression basis, but they are constructed to a large extent on a tension basis and depend upon all members being constantly in tune, as it were. Now there is considerable vibration in a greenhouse roof and the constant movement is bound to stretch the light rods, etc., which are used in the construction. As soon as one member loses its tune it puts all the others out also, and I believe that a greenhouse constructed on this principle will deteriorate more rapidly than one supported by columns or with columns and compression trusses. Time will tell, but if you compare two houses of the same age I know that the house constructed on the compression principle will be in better shape than the one constructed on the tension principle.

Semi-Iron Frame Construction.

We have been considering what is known as the iron frame greenhouse construction. There is another type known as pipe frame or semi-iron construction. The difference between the two is not very great, the difference being that the steel rafters are omitted, the roof bars, etc., are supported by longitudinal purlins made of pipe. These purlins are in turn supported by pipe columns. The painting, glazing and heating in this construction are the same as in the houses where rafters are used. There is a slight saving in the cost of this house as the steel used is less and the parts require less mill work. All parts both iron and wood are given three coats of paint, one before shipment, one after the framework is erected and before the glass is set and a finishing coat after the glass is set and the other parts finished.

The majority of houses are glazed with double thick quality "A" glass in

16 inch widths and 24 inch lengths. The joints are lapped about $\frac{1}{4}$ inch and the glass bedded in putty. The use of glass 24 inches wide has been quite extensive and, inquiring among the florists and gardeners, the additional light and results obtained by using glass 24 inches wide instead of 16 inches wide are not appreciable. It seems on first thought, that there must be considerable advantage and lightness obtained by using the wider glass, but the bars and other members are so small in an up-to-date house, that eliminating every other bar does not appreciably increase the growing qualities of a house. There are some structural drawbacks to wide glass, and the consensus of opinion is that 16 x 24 inch glass is commercially the best.

As to the Width of Houses.

The width and lengths of houses have steadily increased until now they are only governed by the length and width of a man's pocketbook. Formerly, 18 and 20 feet were the most popular widths, but today few growers consider anything under 30 feet; 40, 50, 55, 60, 70 feet and so on are common. Several vegetable growers have built houses between 40 feet and 45 feet wide and have figured out this width as the most practical and economical width, but others build wider and almost each one has ideas of his own, which it is the greenhouse builder's pleasure to design and construct.

Houses of the $\frac{3}{4}$ span shape are built, but not as extensively as in former years. The long slope faced south and consequently they were supposed to receive a greater amount of sunlight. I have seen full span and $\frac{3}{4}$ span houses built beside one another with the same plants growing in both. No difference could be observed in the plants and there was no appreciable difference in the financial returns.

With the light construction now used, I do not believe it makes any difference whether a house is built facing south, east or west, providing there are no trees, hills or other objects to shade same. The topographical conditions of the site play an important part in the location, as these vary in each case, and each case requires individual consideration.

Ventilation.

Houses intended for the growing of vegetables should have four lines of ventilation. This is accomplished by placing a line of continuous sash on each side of the ridge and one line on each of the vertical sides. The sash are from 30 inches to 36 inches wide and up. These sash are opened and closed with machinery specially designed for this purpose. There are numerous types of machines on the market but they all are constructed on about the same principle, namely a continuous shaft of pipe or steel rod to which are attached arms and rods which in turn are fastened to the sash. A gear of the self-locking design and operated by hand power is arranged to turn the shaft which communicates its power to the rods and arms causing the sash to open and close.

The use of solid plant beds in commercial greenhouses is rapidly taking the place of raised plant benches. Many vegetable growers plant directly in the ground, plowing the ground

and working the crop the same as out of doors. Where beds are used they are not built over 12 inches above the grade and the soil confined with planks or light concrete walls.

Heating.

The heating for greenhouses is certainly one of the most important features of same. It is here that one shovels his dollars into a furnace. Too much attention cannot be given to the installation and management of the heating system. At the present time there are two mediums employed, steam and hot water. Both have advantages, but it is pretty well established that heating by hot water produced the best results. Hot water produces a condition more like the heat generated by the sun. Steam gives a more intense heat. While it has proved satisfactory, it is a fact that the large florists are more and more reverting to hot water as a heating medium. Whether hot water or steam is used, the method of piping the house is the same. If steam is used, the pipes are $1\frac{1}{4}$ -inch, and if hot water, either 2-inch or $1\frac{1}{2}$ -inch. The pipes are placed along the sides of the house hung to the side walls. There should also be some pipe laid through the centre of the house. Just how and where to place these pipes varies with the conditions to be met. The number of pipes depends on what temperature is required, the amount of glass surface, the extreme average temperature of the locality in winter, the exposed or protected situations of the greenhouse, the good or bad construction of the greenhouse itself, and many other small details which are used in designing a successful and economical heating system.

If steam is used, it should be a low pressure system as the wear and tear on the pipes should high pressure be used, would be great, to say nothing of the too intense heat generated. The boilers may be set in a cellar the level of which is considerably below the level of the greenhouse. In such a case, the condensed water is returned to the boilers by gravity. If the boilers are on the same level as the greenhouse a pump of some kind must be used to return the condensation.

It is the same with hot water. In a hot water system, there are two ways employed in generating the heat. The first and one most used, is to heat the water directly in a boiler and circulate same through the pipes in the greenhouse; the other, is to heat the water in tanks using exhaust or live steam to heat the water. In the latter case, the steam passes through a coil in enclosed tank, the water surrounding the coil. The steam in the coil imparts its heat to the water, which in turn leaves the tanks, circulates through the pipe returning to the tank to be again heated.

Forced Circulation.

There are two other methods used to circulate the water, other than by the gravity method. One is to have an accelerator connected to the mains. This device is simply a propeller turned by an engine of some kind. The propeller hastens the speed at which the water circulates, helps it over many declivities and returns it at a higher temperature to the boiler. The other method is what is known as

Forced Circulation. This method requires the service of a pump of some kind. The water is heated and then forced by the pump through the pipes in the greenhouse and back to the boiler. The pump may be operated by steam, electricity or gasoline. The old fashioned plunge steam pump is, I believe, the most reliable, but pumps driven by the other methods that I have mentioned have proved satisfactory. There are several advantages of heating by forced circulation and I believe it is the method which will be used in all large plants in the future. In the first place, the size of the pipe used for the mains and heating coils, can be smaller than in a gravity system. The water returns to the boiler at a higher temperature and it is possible to heat a house more evenly. I am sorry that I have not more time at my disposal to go into the subject of heating more fully. It is one that is full of pitfalls, even to the initiated. What I have said, outlines the general principle. The ratio of determining the number of pipes to the glass surface, the size boiler required, the distribution and grading of pipes, size of mains, etc., are really up to the heating engineer, but if growers knew more about these, they would not be apt to have a heating apparatus designed and installed which will prove far from satisfactory and not what was desired.

The more one knows about everything that is used or in use in one's business, and that knowledge used wisely, just so much more successful will the business become.

A few years ago, growing vegetables under glass was almost unknown. Now the cultivation of vegetables in greenhouses is increasing rapidly and as time goes on, I expect and predict that the industry of growing vegetables in greenhouses would have reached such proportions that we shall be supplied with vegetables in winter, as in summer, and the cost not much greater than growing vegetables out of doors.

Vegetables and fruit grown under glass have a finer flavor than those grown out in the open.

There is no country in the world that offers the opportunities that ours does, and it behooves us all to make the best of these opportunities in what ever line we may be engaged.

UNIQUE WHITEWASH USED IN URUGUAY.

(From Report of Consul Frederic W. Goding, Montevideo.)

When traveling through the rural districts of Uruguay, one's attention is attracted to the fine white color of the farm buildings, even during the wet season. To obtain this neat effect a whitewash is used which is made with the sliced leaves of the common cactus, macerated in water for 24 hours, producing a solution of creamy consistency; to this lime is added and well mixed. When applied to any surface, be it of wood, brick, iron, or other material, a beautiful pearly white appearance is produced which will endure through storms and frosts for many years. In sections of the United States where the cactus is a nuisance, the plant might be utilized in the manner suggested.

STEVENSONIA GRANDIFOLIA.



A beautiful stove palm; not new but uncommon. Offered by Direct.

GREENHOUSES BUILDING OR CONTEMPLATED.

Eugene, Ore.—R. Rae, addition.

Rochester, N. Y.—H. P. Neun, one house.

Haverstraw, N. Y.—John J. Coonan, addition.

Lexington, Ky.—Miss Fannie White, one house.

Evansville, Ind.—Louis Fritsch, house 14 x 60.

Elmhurst, Calif.—G. Ukai, carnation house 25 x 100.

Southington, Conn.—William Fischer, one house.

Northboro, Mass.—Dr. J. M. Stanley, house 42 x 200.

Greenwood, Mass.—John Barry, Main street, one house.

Grand Rapids, Mich.—Freiling & Mendels, range of houses.

Buffalo, N. Y.—Park Commissioners, Delaware Park, one house.

Grants Pass, Ore.—E. Mayer and B. Nyberg, range of houses.

Providence, R. I.—The Westminster Greenhouse, Inc., addition 30 x 35.

West Medway, Mass.—Robert Doherty, carnation house 24 x 100.

Jackson, Mich.—Burt & Coggin, formerly at Kalamazoo; range of houses, 20,000 ft.

Des Plaines, Ill.—Warren Garland, carnation and sweet pea house 25 x 225. Sol Garland, carnation house 25 x 225. Grant Willin, one house.

Erie, Pa.—Edward Lichtinger and Charles Wells, West 26th street, range of houses, to be known as Cherry Hill Greenhouses. Jesse Frost, Caldwell street, one house.

Reports have come that Salzer Bros' greenhouses at La Crosse, Wis., were totally wrecked by a recent storm which was so severe that north windows were broken all over the city.

DETROIT SCHOOL FLOWER FESTIVALS.

A very interesting event was the annual Flower Festival brought into being by the Twentieth Century Club. School children who got seeds from this club last spring bring their product to their respective schools, and keen indeed was the competition for the many prizes. Ladies of the club and the following florists acted as judges: M. Bloy, F. Danzer, F. Holz-nagle, M. Sullivan. Twenty-five schools participated.

The most interesting display and the one receiving first prize was arranged in the kindergarten room of the Wingert school. The whole room represented a back yard with a summer house in the far off corner in which a tea party was in progress. A serpentine walk bordered with red and white asters led up to this, while beds of other flowers in artistic color combinations were distributed over the lawn. On the other side of the hall boys busied themselves hilling corn, and girls took care of beds of zinnias and marigolds.

Many of these exhibits showed very practical lessons and some of the flowers and their style of arrangements, as also some vegetables, would have been a credit to a professional.

FRANK DANZER.

Lowell, Mass.—All the florists in city have been notified of an action taken by the police board relative to Sunday business. Many of the florists, it seems, have somewhat stretched the rule that allowed them to keep their shops open until Sunday noon, so that hereafter no such thing will be allowed. They may now open up till late Saturday night, and make up and deliver these until 11 a. m. on Sunday, but the shops must not be open at all on Sunday, except to fill the orders.

A FARMER'S DINNER.

To enter, for one thing, emphatic protest against the proposition that the farmer has no compensating advantages for all his troubles as compared with the city dweller, and for another, to show that those high-toned places like the Union League, Dooner's, The Bellevue-Stratford, et al, with their million-dollar buildings and regal salaried chefs, can never reach the highest pinnacle of viandic freshness, fragrance and perfection, two Bucks County farmers, Dr. John H. Washburn of the agricultural college known officially as the National Farm School, and Howard M. Earl of Fordhook Farms, invited a select party of city men—scoffers, bon vivants, philistines, poets, philosophers and unbelievers—for the purpose of giving them an object lesson, Sept. 14, 1911, to a farmers' dinner at Farm School, Bucks County, Pa. (Whew! That's a long sentence. We shall be aspiring to the Gladstone and Cleveland hilltop if we can sustain a gait like that and still be understood without putting in a full stop.)

They made a day of it—and what a day! Brilliant sunshine, a crisp, clear September day, their hosts to meet them at the station, a drive through the college grounds, then over to the Fordhook Farms adjoining, a drive through these and inspection of the brilliant fields of scarlet sage, zinnia, marigold, phlox, and scores of others, for testing, some for seed saving, then down to the farm buildings and a look through the model arrangements for the care and increase of the world-famous Burpee pedigree stocks of chickens, collies, and other pet and useful "horned cattle." In passing the Burpee residence, who should appear smiling on the porch but "the big chief" himself, and nothing would do but that the party must disembark and come inside for a brief rest. Those who know Burpee know what a prince he is at doing the honors. Of course there was the usual chat and rest, then the jest and repartee and general wakening up, after which Everett, the English butler and body squire of the chief, with all his h's and courtly ways still hanging to him, appeared noiselessly from some mysterious source, bearing cheer and comfort and leaving in his wake golden smiles.

Mr. Burpee joined the party for their further adventures, which included the inspection of a peach orchard adjoining Farm School and Fordhook, and where young trees (seven thousand of them), planted about two years ago and now from five to eight feet high, show up in fine shape and are expected year after next to give their first crop, estimated at seven baskets per tree. That ought to bring fifty thousand dollars, which is going some for a fifty-acre farm in four years. The cost of cultivating, spraying, etc., is largely covered by the corn and turnip crops grown in between. After the first of July all the surplus moisture and fertility possible is taken up by these side crops so as to make the peach trees stop growing and ripen up good and hard to stand the winter. Even the weeds are allowed to riot after the first of July with the same object in view.

Returning, more of the Farm School stock and operations are seen, explained and discussed. Every phase

of agriculture and horticulture is carried on, the work being all done by the students as part of their studies in their four-year course, and the visitors were greatly impressed with the fine appearance of everything. Dr. Washburn and his able staff of professors in all departments certainly deserve great credit for the excellent showing.

By this time it was one thirty and a bell rang at the doctor's residence intimating that dinner was ready. Tom Daly called that bell "the Jewish Angelus." It certainly did not sound like the usual merry jingle of a dinner bell. Very discouraging for men with appetites whetted by five or six hours of country air! But the clouds were soon dispelled. What a dinner! Words fail us. Here is the menu:

WASHBURN AND EARL'S FARMERS' DINNER.

Thursday, September 14, 1911.

Cooking by Washburn. Eats by Earl.

AN APPETIZER!
Guess what it is?

OLIVES.

Home made from Farmers' Grape-vine.

COMPOST.

SOUP.

Better than Dooner's.

FISH.

From Lake Rosenthal.

SWEETS.

DUCK.

That Earl swiped from the cradle.

APPLE SAUCE.

To be eaten through a straw.

SWEET CORN. LIMA BEANS.
Washburn's Folly. Burpee's Best.

TATERS.

Not marbles.

ONIONS. CELERY.
Without odor. "Boughten"

WOLFF'S CLEAR CIDER.

MYSTERY SALAD.

The ingredients have been accumulating all summer.

RAT-TRAP CHEESE.

ABERNETHY BISCUITS.

BLACK WALNUTS, from Farm School woods.

FORDHOOK CHICORY.

HOT WATERMELON. DYSPEPSIA PIE.

If "eats" are unsatisfactory please make complaints in writing to Dr. John H. Washburn, Farm School, Bucks Co., Pa.

After about two hours of most scandalous demolition from beginning to end, those who were still able to talk voted unanimously "A farmer's life for me," and those who were too full for utterance went out and stretched themselves under the pear trees.

Then came more sight seeing. Bye and bye came another impromptu meeting at the Burpee residence, which had some speech-making and almost developed into a little home concert. Conspicuous features of the day's speeches, megaphone and otherwise, were Attorney Louis Boss's appreciation of the merits of Wolff's sweet cider, and Editor George Donnelly's dissertation on the virtues of "Swiss chard" as compared with spinach. The latter was most sincerely convinced that his mission in life had at last been struck. That Mr. Earl and others might hint that they had been telling the American people that very thing for thirty years and more, made no impression on George Donnelly. He was in the full gallop of the new discoverer. A secret came out about the ladies of the Washburn and Earl families. They had disguised themselves in neat waitress uniforms and most of the guests being

strangers they had great fun at getting in touch with a lot of men folks in the abandon of a stag dinner. Fortunately everybody behaved well. There was no flirting and the only cuss word we remember came from the only clergyman in the party.

In his own inimitable way Mr. Burpee made the speech of thanks to the ladies. Dr. Daly gave some of his wonderful stories and recitations. These have made him famous on almost every stage all over the United States and Canada. Two of the Emperor William prize tenors, C. Howard Reed and T. Frank Dooner, gave a sample of their quality to please Mrs. Burpee and the other ladies present. When train time came it was the most chastened, subdued and admiring lot of city men that bade adieu to their hospitable, able and wonderful hosts. Happy to meet—sorry to part—happy to meet again.

GEORGE C. WATSON.

[P. S.—To Our Readers: A clever man (we think it was Charles Dudley Warner) once said that the next best thing to having a garden of one's own was to read about one. We may emphasize that by saying, the next best thing to attending a farmer's dinner is to read about one. We trust our readers will enjoy at second-hand this veracious account of our correspondent who seems to have been there.—Ed.]

NEWS NOTES.

Middletown, N. Y.—Robert Crawford, florist, Cottage street, was cut and bruised in an automobile accident at Newburgh on Sept. 8.

Akron, Ohio.—H. Heepe, florist, has sued O. C. Barber of Akron for \$822 for material alleged to have been furnished Barber's country home.

Grants Pass, Ore.—Five acres of land near the city park have been purchased by E. Mayer and B. Nyberg of Seattle, who will put up a greenhouse plant and engage in the florist and nursery business. The concern will be known as the Grants Pass Floral and Nursery Co.

FINE LOT OF CALIFORNIA PRIVET
\$25.00 to \$35.00 per 1000.

FIELD GROWN CARNATIONS
Enchantress and Winsor, \$6.00 per 100.

500 Jerusalem Cherries
Field-grown, ready for 5 and 6-inch pots.

Fine Lot of Scottii, Whitmani and Boston Ferns
4 and 6-inch, ready to shift; also an assortment of

ROSES FIELD-GROWN
OWN ROOTS

RIDLEY PARK NURSERIES
RIDLEY PARK, PA.

IN THE SWIM

*I must be in the swim,
You might forget my name,
And say that I am to blame,
If you do not get the best.*

Christmas Trees, Spruce or Balsam, from one foot to thirty, in any quantity; Baled Spruce, Balsam, Hemlock Boughs, Laurel and Evergreen, Festooning and Wreaths, Sphagnum Moss, Hardy Cut Fancy and Dagger Ferns, Yearly Contracts Made. Send for Price List and order your Christmas Trees now. GET THE BEST.

H. J. SMITH, Hinsdale, Mass.

HERBERT, ATCO, N. J.
DAHLIAS Every Day in the Year

Boddington's Quality Christmas and Winter-Flowering Sweet Peas



ALL true stocks of Winter-Flowering Sweet Peas will be scarce this season. Some varieties are a total failure, owing to the exceptional season in California this Spring. We can make immediate delivery of the varieties marked with a star (*), the balance we are expecting from our grower in California at any time. Our advice to intending planters is to order early.

Our stocks of Christmas-Flowering Sweet Peas have stood the test for years, and we can refer you to the largest growers of this increasingly popular flower, as to the trueness and quality of our seed, earliness of blooming period, and strength and habit of plants.

The following varieties are the "best by test" and include Zvolanek's and our own introductions, grown for seed from selected stocks by the leading California Growers and Specialists of Sweet Peas. Our output last year was nearly 6000 lbs. No kicks and plenty of testimonials as to quality, germination and trueness to type.

BODDINGTON'S QUALITY WINTER-FLOWERING SWEET PEAS

At the Exhibition and Convention of the National Sweet Pea Society of America, July 12th and 13th, 1910, we again won the C. C. Morse & Co's Silver Cup for the finest and best collection of Sweet Peas open to the trade only

***BODDINGTON'S EXTRA EARLY CHRISTMAS WHITE SNOWBIRD.** An exceptionally early Sweet Pea for indoor flowering—will bloom six weeks after sowing. Color clear white, upon long stems; habit fairly dwarf and of exceptionally free-flowering qualities. Without doubt, the finest early white for indoor planting. We sell one grower in Pennsylvania 35 lbs. of this variety every year, name on application. Oz., 30 cts.; ¼ lb., 85c.; ½ lb., \$1.50; lb., \$2.50.

***BODDINGTON'S CHRISTMAS PINK.** This is the earliest and most profitable and useful Sweet Pea in cultivation, as by sowing the seed under glass in latter part of August flowers can be cut from Thanksgiving on during the Winter months. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

***BODDINGTON'S CHRISTMAS WHITE.** A companion to our Christmas Pink. Just as free and profuse a bloomer. Oz., 15 cts.; ¼ lb., 50 cts.; ½ lb., 85 cts.; lb., \$1.50.

***BODDINGTON'S CANARY.** Similar to the above, but flowers of an exceptionally good yellow. Oz., 35 cts.; ¼ lb., \$1.00; ½ lb., \$1.75; lb., \$3.00.

***BODDINGTON'S FLAMINGO.** Color scarlet; free-flowering and early. Oz., 50 cts.; ¼ lb., \$1.50; ½ lb., \$2.75; lb., \$5.00. **Christmas Meteor.** Scarlet; fine open red flower. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00. **Christmas Captain.** Blue and purple. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

***Florence Denzer.** Pure white. Oz., 15 cts.; ¼ lb., 50 cts.; ½ lb., 85 cts.; lb., \$1.50. **Le Marquis.** This is the same color as Princess of Wales, violet; has very large flowers. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

***Miss Helen M. Gould.** White, open flower; standard lilac, marbled. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

***Miss Josey Reilly.** Lilac; very large flowers. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

***Mrs. E. Wild.** Carmine or dark pink. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

***Mrs. George Lewis.** Large, pure white wavy flower. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

Mrs. W. W. Smalley. Satiny pink. Oz., 35 cts.; ¼ lb., \$1.00; ½ lb., \$1.75; lb., \$3.00.

Mrs. F. J. Delansky. Daybreak pink. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

***Mrs. Chas. H. Totty.** Sky-blue; late. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

Mrs. Zvolanek. Blue, variegated; good for variety. Oz., 50 cts.; ¼ lb., \$1.50; ½ lb., \$2.75; lb., \$5.00.

***Watchung.** Pure white. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

***Wm. J. Stewart.** Blue self. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

All other varieties of Winter and Summer-flowering Sweet Peas supplied. Write for quotations.

ARTHUR T. BODDINGTON, Seedsman, 342 West 14th St., NEW YORK.

B. & A. SPECIALTIES

PALMS, BAY TREES, BOXWOOD AND HARDY HERBACEOUS PLANTS, EVERGREENS, ROSES, RHODODENDRONS VINES AND CLIMBERS, AUTUMN BULBS AND ROOTS, CONIFERS, PINES.

Florists are always welcome visitors to our nurseries. We are only a few minutes from New York City; Carlton Hill Station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS

Nurserymen and Florists

Rutherford, N. J.

American Grown Roses

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens.

Write for Trade List. **W. & T. SMITH CO.** Geneva, N. Y.

HARDY NORTHERN GROWN NURSERY STOCK

WE GROW EVERYTHING FOR PLANTING THE HOME GROUNDS A GENERAL ASSORTMENT OF

Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc., Etc.

Our Illustrated and descriptive Catalogue for the asking

THE BAY STATE NURSERIES, North Abington, Mass.

JOHN T. WITHERS, Inc.

Landscape Architect and Forester

1 Montgomery St., JERSEY CITY, N. J.

Tree Renovation by Expert Operators. Stereopticon lectures on Horticulture and Arboriculture.

Box Trees

and other EVERGREENS for Tubs and Boxes

Our Prices are Always Right—Catalog Free

THE NEW ENGLAND NURSERIES, Inc. BEDFORD, MASS.

DIRECT IMPORTATIONS

Bay Trees, Kentias, Azaleas, Valley Pips, Roses, Rhododendrons, Boxwood, Manetti, Evergreens, Jap. Lilies, Raffia, etc., etc.

Nursery stock from France, Holland, England and Japan.

McHutchison & Co. 17 Murray St. New York, N. Y.

HOLLAND NURSERIES

Best Hardy Rhododendrons, Azaleas, Conifers, Clematis, H. P. Roses, Shrubs, and Herbaceous Plants.

P. OUWERKERK, 214 Jane St., Woburn Heights, P. O. No. 1, Woburn, N. J.

In writing to Advertisers kindly mention Horticulture

Dreer's Imperial Japanese Iris

Our stock of these beautiful Japanese Iris is not only the most extensive in the country, but is also the largest assortment of home grown varieties offered and can be relied upon to be true to name and color.

September and October are the best months to plant. We supply strong liberal divisions of the most satisfactory planting size.

DOUBLE FLOWERING OR SIX PETELED JAPANESE IRIS

- No. 3 **Kosui-No-Iro.** Light violet with white veins.
 4 **Yomo-No-Umi.** A fine free flowering early double white.
 5 **Koki-No-Iro.** Rich royal-purple with white veinings.
 8 **Taiheiraku.** Ten petals, crimson-purple with yellow centre.
 20 **Kuma-Funjin.** Silvery-white, with a broad border of magenta-lilac veined with white.
 22 **Sano-Watashi.** White, with canary-yellow centre.
 24 **Gosetsu-Mai.** White, veined and traced throughout with abline-blue.
 26 **Uchiu.** Bright purple with crimson sheen.
 44 **Yoshimo.** Very large flower; creamy-white, delicately veined with violet.
 47 **Renjo-No-Toma.** Petals peculiarly fluted, light violet with white halo and light veinings.
 49 **Wakamurasaki.** Crimson purple with dull lilac shadings at base of petals.
 57 **Hodai.** Silvery-gray, suffused and densely veined with violet purple.
 58 **Mana-Isuru.** A fine, late-flowering white.
 65 **Ho-O-Jo.** Rich velvety-purple with crimson sheen.
 68 **Fuji-Mine.** White, veined with deep purple.
 69 **Waku-Hotei.** Pure white, veined throughout with purple; fine late flowering variety.
 71 **Gelshol.** Eight to ten petals; bright crimson-purple with white veinings; full double flower.
 72 **Uji-No-Hotaru.** Bright violet-purple, shaded blue.
 91 **Kan-Ran.** White; densely veined with rich violet-purple.
 95 **Raiden.** White ground, densely dotted and blotched violet.
 105 **Nagano.** Rich violet-purple, shaded with blue.
 108 **Shimosa.** White ground, minutely and densely spotted throughout with bright violet-purple.



SINGLE FLOWERING OR THREE-PETALED JAPANESE IRIS

- No. 1 **Iso-No-Nami.** Silvery white, veined with violet.
 2 **Tora-Odori.** White, faintly traced with violet.
 6 **Date-Dogu.** Rich violet-purple with metallic sheen.
 11 **Hano-No-Nishiki.** Bright violet-purple, veined with white.
 12 **Shippo.** Light lilac; densely veined with purple.
 15 **Gekka-No-Nami.** A very early pure white.
 18 **Meiran.** White, densely marbled and veined with light-violet.
 23 **Yedo-Kagami.** Magenta-lilac, veined with white.
 43 **Shi-Un-Ryo.** Greyish-white, deeply and densely veined and suffused with violet.
 62 **Misutmoshito.** Violet purple, marbled with white.
 67 **Kigan-No-Misao.** A late-flowering pure white.
 70 **Kimi-No-Megumi.** White, densely veined with purple; late-flowering variety.

- No. 73 **Shirataki.** Silvery white, border of petals suffused with light Parma-violet.
 76 **Mine-No-Yuki.** White, veined and dotted throughout with violet-purple.
 77 **Yayaura.** White, occasionally marbled with light violet.
 80 **Bunbudo.** Bright violet-purple with darker veinings.
 82 **Ari-Ake.** Violet purple, marbled with white.
 96 **Tebotan.** White ground, with prominent violet-blue veinings.
 97 **Shiro-Fungen.** Light ground, suffused throughout with bluish-violet.
 98 **Osakazuki.** Light violet mauve with lilac shadings.
 99 **Komanyo.** Bright violet, shaded with blue, numerous white veins and markings.
 100 **Yomo-Zakura.** Light ground color, densely veined and suffused reddish purple.

Price, any of the above named varieties, \$1.25 doz.; \$8.00 per 100; \$70.00 per 1000.
 Unnamed mixed varieties 85 cts. doz.; \$6.00 per 100; \$50.00 per 1000.

For the most Complete List of Hardy Perennial Plants as well as all other Seasonable Stock
 See our current Wholesale List issued September 1st.

HENRY A. DREER, Inc., 714 Chestnut Street, Philadelphia, Pa.

The above prices are intended for the trade only.

BEST PALMS

All Varieties, All Sizes.
 Send for Price List

Joseph Heacock
 Wyncote, Pa.

PALMS, FERNS, DECORATIVE AND FOLIAGE PLANTS

Also Azaleas, Begonias, Bay and Box Trees

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LILIUM FORMOSUM

Can Be Grown Nicely in a Carnation Temperature

SPLENDID WELL-RIPENED BULBS

ORDER TODAY

Size	No. to case	Per 100	Per 1000
6 to 8 inches	400	\$4.00	\$35.00
7 to 9 "	300	6.50	55.00
8 to 10 "	250	8.75	82.50
9 to 10 "	200	9.50	90.00
10 to 12 "	150	12.50	115.00

Place your order now for

Special Michell Brand Lilium Giganteum

and

Special Michell Brand Lilium Multiflorum

Large sizes will be scarce and
prices now are low

WHOLESALE BULB CATALOGUE NOW READY,

HENRY F. MICHELL CO.

518 MARKET STREET

PHILADELPHIA



CATALOGUES RECEIVED.

Wm. Elliott & Sons, New York, N. Y.—Pot-Grown Strawberry and Vegetable Plants.

Peter Henderson & Co., New York.—Henderson's Wheats, Grasses, Etc., for Fall Sowing, 1911. Illustrated.

T. C. Thurlow's Sons, Inc., West Newbury, Mass.—Peonies, Iris, Phlox. An excellent list of selected varieties.

E. Turbat & Co., Orleans, France.—Preliminary Wholesale List of Roses. 21 pages of rose names, including novelties for 1911.

Geo. Wittbold Co., Chicago, Ill.—Wholesale Price List of Palms, Ferns, etc. Also Nursery Price List of Ornamental Shrubs and Trees.

Vaughan's Seed Store, New York.—Autumn Catalogue, 1911. Tulips, daffodils, etc., in colors on the covers, a general line of bulbs and fall plants within.

Good & Reese Co., Springfield, O.—Fall Trade List. For florists, nurserymen and dealers only. An illustrated price-list of hardy and tender material. Strong on roses.

Sutton & Sons, Reading, Eng.—"Sutton's Bulbs for 1911." This is a model catalogue, beautifully illustrated and with a typographical finish rarely met with in such publications.

Anton Schultheis, College Point, N. Y.—Wholesale Price for Fall 1911 and Spring 1912. A very complete list of foliage, flowering and ornamental decorative plants offered to the trade by this well-known grower.

W. & T. Smith Co., Geneva, N. Y.—General Catalogue. Hardy fruit and

ornamental trees, shrubs, vines and roses. "The product of sixty years' experience." A handsome volume of 80 pages, profusely illustrated and giving descriptions and planting information of much value to the buyer. Prices are omitted.

A FRIEND'S TRIBUTE.

Editor HORTICULTURE:

On my return from a short vacation, I was very sorry to learn through a note in HORTICULTURE, of the death of Mr. Archibald Smith, Oxford, England.

Those of the older generation in Boston will remember Mr. Smith as a kindly generous-hearted man, but with a faculty for direct, unequivocal, and exact statement, which, in these days of popularity seeking, is rare.

Mr. Smith's training as a seedsman was of the most practical kind; literally he knew the business from the ground up. While he was in Boston, it was my pleasure to listen to a talk he gave to a number of gardeners and others, on "Seeds," in which it was agreed he displayed a knowledge of both the practical and technical sides of the business, so intimate that it is attained by few.

The qualities of his heart and head endeared him to many of us, and the world can ill afford to lose such men.

J. C. SCORGIE.

Mt. Auburn Cemetery, Cambridge, Mass.

Andover, Mass., Sept. 19, 1911.

Carnation plants all sold, discontinue adv.

J. H. PLAYDON.

HOW MANY BULBS TO THE ACRE?

Editor of HORTICULTURE:

In Mr. Newell's article in HORTICULTURE of Sept. 9, he seems to regard the account of a gladiolus grower planting 200,000 bulbs to the acre as a "lot of rot." Now if he will take a trip to Orange, I will show him how first size bulbs are planted in my field at the rate of 110,000 to the acre, and the smaller blooming sizes can be planted so that 200,000 can easily be planted on an acre. It is not necessary to plant gladioli six inches apart in single rows, nor is it practical, or economy for the commercial grower to waste valuable land in this way.

Regarding what he says about mulching his gladioli to protect them against the cold ground and weather, this was altogether unnecessary, for I have had my plantings covered with snow and a frozen crust on the surface of the ground after my gladioli were four inches high, with absolutely no harmful results.

L. MERTON GAGE.

NEWS NOTES.

Temple, Texas.—J. R. Boyd, of Cleburne, has established a greenhouse plant upon a site in the northern part of the city.

Grand Rapids, Mich.—Wealthy Ave. Floral Co. have just completed office and workroom in cement blocks and contemplate rebuilding a large part of their greenhouse plant in the spring.

Detroit, Mich.—A heavy gust of wind on September 18, wrecked the scaffolding around J. A. Stahelius' new chimney, demolishing 50 feet of an adjoining greenhouse at the same time.

Seed Trade

Pea Estimates and Deliveries.

Two weeks ago we stated that one or two of the pea growers had been induced to submit estimates of their expected deliveries on contracts, but their example does not seem to have been followed up to this time by the majority of the growers. At least we have not learned of any. Beyond doubt, however, estimates from practically all may be expected about the first of October, if not before. It seems to be exceedingly difficult for the growers to size up conditions this year and naturally they are reluctant to over-estimate, while at the same time conditions are so bad that they do not want to represent them as worse than they are. Many seedsmen and canners will have heart failure when the estimates are received by them even when the best possible showing is made; but, as stated previously in these columns, we believe that the general average of deliveries on peas will be better than a year ago, and particularly on such varieties as Gradus, Thomas Laxton, Sutton's Excelsior, Nott's Excelsior, Gems, Telephones, and in fact nearly all of the large-podded varieties. It may be well to remark here, however, that readers should not have their expectations raised too high, as the deliveries might be disappointingly low and still be better than last year's.

The Sweet Corn Outlook.

We have stated on information heretofore received that there was likelihood of a considerable shortage in the crop of early sweet corn, but that the later varieties would make a better showing. From the latest advices received we find that it is necessary to reverse this order, as we are now informed that the early varieties will do considerably better than was expected a month or two months ago.

Narcissus

Paper White Grandiflora

13 ctm. Bulbs. Per 100, \$1.25; per 1,000, \$9.00; case of 1,250 bulbs, \$11.00.

A. HENDERSON & CO.
30 E. Randolph St., CHICAGO

Headquarters for

FALL BULBS

Send for Trade List

John Lewis Childs

Flowerfield - LONG ISLAND, N.Y.

For Fall Planting

Lilium Tenifolium, Henryi, Hanson, Wal-lacei and Davuricum; Elegans vars., Single and Double Tigers; Japan Tree Lilac; Delphinium formosum; Japan and German Iris; Daphne Cneorum.

Fall list ready in August.

E. S. MILLER

Wading River, N. Y.

Q You are mostly interested in business propositions that you can make money by. Occasionally there is a rare bargain in bulbs of quality, but not often. This week we have one for you and one that is worth while. The reason is owing to unusual crop conditions in France, compelling Mr. Martial Bremond to receive late deliveries unexpectedly. Last week we did not dream that it would be possible, but here goes. We offer you the true Paper White Grandiflora Bulbs 13 cm upward at \$6 per 1,000; \$55 per 10,000; or \$500 per 100,000. Roman Hyacinths 12 to 15 cm at \$18 per 1,000; \$170 per 10,000 and \$800 per 50,000. Paper Whites are packed 1250 and 1350 per case and Romans 2000 per case. Less than case quantities at 10 per cent advance prices. The prices are duty paid, f.o.b. cars New York City too and delivery immediately; or later upon payment of 25 cents per month per case storage and 25 cents per case cartage. Terms are three months net to those in good credit standing or cash with order from unknown parties. No counter offers will be answered and nothing less than quantities mentioned will be sold at prices given. This is an opportunity that does not occur every year and is a strictly bona fide sale of real high grade products. Immediate orders requested.



Not how cheap
But how good
Still how cheap
And how good

Ralph M. Ward & Co.

12 West Broadway, New York

**Importers of Horseshoe
Brand Products**

Fresh arrivals of Formosas ready for immediate delivery — good selected stock.

while the condition of the late varieties has deteriorated considerably. Recent severe frosts throughout Connecticut and New England have considerably damaged corn, but the extent of the damage has not as yet fully materialized. We shall probably know more about this in another week. Up to the present time the western crop has escaped any serious damage by frost, which has been a very material help to the late varieties, and will greatly increase the yield. It is, of course, appreciated by all that the corn crop has reached the stage where there is no possible chance for further improvement, but unlimited opportunity for damage. It is hoped, however, the damage account may be a very small one.

Beans.

By the way, a few of the pea and bean growers have thought it advisable to send out their estimated deliveries on beans of the 1911 crop. In view of the fact that bean harvesting has barely commenced, this seems a little previous, and especially in view of the fact that the same growers have not given any estimates on peas, although the latter have been practically all harvested for a month past. Speaking of beans, we learn that there has been considerable inquiry from Germany, particularly for the wax pod variety, and that sales of considerable quantities have been consummated at strong prices. This would seem to indicate that our Teutonic friends are very much on the short side of the bean question. It may be added that inquiries for peas are even more numerous, but very few have been in the position to quote anything in garden peas.

Potato Prices.

The situation affecting seed potatoes and the potato crop in general has been rather fluctuating. Last week there was a decided slump in prices, but this week they have firmed up again, and we are believers in ultimately higher prices for this year's crop than have yet been realized.

New Seed Houses.

Some months ago we announced that Mr. F. A. Sherman, formerly of Sherman & Eberle, Auburn, N. Y., who sold out two years ago this fall to his partner, had decided to again engage in the seed business, and had organized a new company under the name of Houghton & Sherman Company. Mr. Sherman has advised us that all preparations have been made to carry on an aggressive campaign in the seed line during the fall and winter, and he hopes that many of his old acquaintances will remember him with at least a portion of their business.

The Wiseman & Downs Company, of Baltimore, has been launched and fully incorporated. We extend them congratulations and best wishes, but the town already fully supplied with seed houses, energetic and highly intelligent action will be needed to achieve success. The Wiseman & Downs Company know this and have undoubtedly discounted all possibilities. We expect to have some further

information regarding Baltimore within the next week or two.

Quotations.

W. A. B.—“We have at last got a cabbage that fills all requirements and in honor of that wonderful achievement we propose to name it after one of the greatest of restaurateurs, Frank Dooner. We call to our assistance, in this deserved compliment, apt alliteration's artful aid, and we propose to call this great cabbage—“Dooner's Dreadnought.”

G. C. W.—“Very good! What a saving this will be in writing labels, reports and things, when it becomes so familiar as to reach the abbreviation stage! Just say D. D. cabbage.”

T. Frank Dooner.—“Doesn't that D. D. sound like a cuss word? Besides, couldn't Mr. Burpee find something else rather than a cabbage to put my name on?”

Tom Daly.—“Sit down, you foolish person! D. D. means Doctor of Divinity, and has nothing to do with cuss words.”

Final Outcome of Natural Grass Seed Crops.

Stated in brief, may be summed up as follows:

Steady—*Cynosurus cristatus*, *Dactylis glomerata*, *Poa trivialis*.

Higher—*Agrostis stolonifera*, *Agrostis canina*, *Alopecurus pratensis*, *Anthoxanthum Puelii*, *Festuca elatior*, *Festuca tenuifolia*, *Festuca pratensis*, *Festuca rubra*.

Lower—*Aira flexuosa*, *Anthoxanthum odoratum*, *Avena elatior*, *Festuca duriuscula*, *Festuca ovina*, *Poa nemoralis*, *Lolium perenne*, *Lolium Italicum*.

Notes.

Ocala, Fla.—Baxter Carn, seedsman, is succeeded by his brother, W. D. Carn.

S. B. Dicks, of Cooper, Taber Co., sailed for home on the Lusitania, Wednesday, September 20.

New Albany, Ind.—The New Albany Supply Co. has succeeded the Brown Seed store. John Zahnd will be manager.

Champaign, Ill.—A store at 10 East University avenue has been opened by the Champaign Seed Co. Cut flowers and nursery stock will also be carried.

The Kingston, N. Y., papers have been giving generous space in recent issues to David Burgevin of the firm of Valentine Burgevin's Sons, florists. This firm has a range of 22 modern houses and the finest salesroom along the Hudson. David is in charge of the sales end and his brother George looks after the greenhouse department.

COLDWELL LAWN MOWERS

Hand—Horse—Motor

Known All Over the World

Catalogue on Request.

NEWBURGH, N. Y.

RYE GRASSES

EXTRA FANCY
NEW CROP

Perennial . . . 5c lb.
Italian . . . 5½c lb.

These low prices for a short time only. Samples sent on request

J. BOLGIANO & SON

WHOLESALE SEEDSMEN

BALTIMORE, MD.

FOR COLD FRAMES

STRAW MATS

6 x 6, - \$1.50, \$17.00 doz.

BURLAP MATS

6¼ x 6¼, \$1.20, \$14.00 doz.

WM. ELLIOTT & SONS,
42 Vesey St., New York

Peach Plants — Strawberry Plants

Remember I am the party who advertised and supplied you with celery plants this summer when no other person had them. I have fine peach trees and September strawberry plants. Peach trees are the best investment for you. September is the best time for starting strawberry plants.

Nurseryman,
WARREN SHINN, WOODBURY, N. J.

100,000 FORCING TOMATO PLANTS

in 2½ inch pots at \$20.00 per M in the following varieties: Comet, Sutton's, Winter Beauty, Sutton's Best Of All, Sutton's Abundance, Sutton's A 1.

Cabbage and Lettuce Plants in unlimited quantities and best market varieties.

FOX HALL FARM, NORFOLK, VA.

CAULIFLOWER SEED

MANGOLD, SWEDE, TURNIP

LILY OF THE VALLEY PIPS

HJALMAR HARTMANN & CO.
COPENHAGEN, DENMARK.

ONION SEED

We have a choice lot of new crop Silver Skin or Portugal, also other varieties. Write for prices.

SCHILDER BROS.

CHILLICOTHE . . . OHIO

NEW CROP

MOORE'S SUPERB CYCLAMEN

(Williams' Giant Strain)

This famous strain of Giganteum varieties have large beautifully marbled leaves and stout flower stalks, throwing the enormous flowers of great substance and delightful fragrance well above the foliage, and cannot be excelled. Very profuse bloomers of striking beauty. Vigorous growers.

	100 Seed.	1000 Seed.
Giant White Swan, pure white.....	\$1.00	\$8.00
" Crimson Queen, very rich color.....	1.25	10.00
" Rosy Morn, Satin White, Crimson Eye.....	1.00	7.00
" Salmon Queen, pale pink.....	1.25	10.00
" Masterpiece, New, extra large flower, pink, red eye.....	1.50	12.00
" Fringed, white and rose.....	1.50	12.00
" Mixed, including the above and other fine sorts.....	1.00	9.00

MOORE SEED CO.
125 Market St., Philadelphia, Pa.
Please mention Horticulture when writing



PEAS, BEANS, RADISH } Write for Prices
and all Garden Seeds }

LEONARD SEED CO.
226-230 W. KINZIE STREET, CHICAGO Wholesale
SEED GROWERS AND DEALERS

SEEDS, PLANTS, BULBS

All seasonable kinds of best quality

Special prices on large lots

JAMES VICK'S SONS,
Seedsmen
ROCHESTER N. Y.

COMPLETE STOCK FRENCH AND DUTCH BULBS

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS

CHOICE BULBS

In great variety for present planting—in-doors and out

THOMAS J. GREY CO.
32 South Market Street, Boston, Mass

GIANT

English Cyclamen Seed—best strain, \$9.00 per 100. Pansy Seed—home grown, \$5.00 per oz. Mignonette, Giant, greenhouse forcing, \$5.00 per oz., ¼ oz. \$1.00.

SKIDELSKY & IRWIN CO.
1215 Betz Bldg. Philadelphia



Florists and Seedsmen Sell Your Own Scratch or Poultry Food

We will make it for you under your own brand for
\$33.00 PER TON

Send to-day for sample 100 lb bag \$1.00. Mr. C. E. Jensen of Atlantic Co., N. J., on Oct 27, 1910, writes as follows: "I want to state that your three grades of Poultry Food, Chick Starter, Developing Food and 'Square Deal' Scratch or Poultry Food stands with out an equal to day. They are perfect mixtures and sound in grain and a pleasure to handle."

J. BOLGIANO & SON,
Importers and Wholesalers. Established for 92 Years.
BALTIMORE, - MD.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale Trade Only.

SAN JOSE, CALIF.

Farquhar's Flower Seeds for The Florist

Write for our Wholesale Catalogue

R. & J. FARQUHAR & CO.
Boston, Mass.

Established 1820

Thorburn's Bulbs

Wholesale Catalogue

NOW READY

Send for a Copy

J. M. THORBURN & CO.
33 Barclay Street
NEW YORK

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

Sphagnum Moss

In Burlap Bales; per bale \$1.00, 6 bales for \$5.00, 10 bales for \$8.00.

Larger Lots at Lower Prices.

The W. W. Barnard Co.
108-110 W. Kinzie St., CHICAGO

In ordering goods please add "I saw it in HORTICULTURE."

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Aldine 880. Aldine 881. Aldine 882.

SAMUEL MURRAY

**Kansas City, Mo.
913 Grand Ave.**

All Orders Given Prompt and Careful Attention



**WASHINGTON,
D. C.**

GUDE'S

The Far-Famed Flowers of
TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP
96 Yonge St., - - Toronto, Ont.

The Park Floral Co.

**J. A. VALENTINE
Pres.**

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.

Members Florists' Telegraph Assn.

ALBANY, N. Y.

EYRES
Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

NEW FLOWER STORES.

Baraboo, Wis.—Wm. Toole & Sons.
Kalamazoo, Mich.—The Kalamazoo
Floral Co., Main street.

Chicago, Ill.—The Briggs Floral Co.,
21 East Van Buren street.

St. Louis, Mo.—The Alexander Flor-
al Co.; Harry Young, Maryland av-
enue.

Chicago, Ill.—Duncan A. Robertson
and Walter W. Adams, Rush street
and Bellevue Place. E. Leslie, 3 West
Randolph street, near State. W. H.
Hilton, E. 53rd street, branch of his
63rd street store.

New Haven, Conn.—The Doolittle
Floral Company has started business
on the corner of Orange and Court
streets. A. L. Doolittle, who has been
with the Frank S. Platt Co. for 18
years, is the president and general
manager; Frank C. Dowd of Madison,

STEAMER DEPARTURES

Allan.
Parisian, Boston-Glasgow...Sept. 29
American.
Philad'p'a, N. Y.-S'hampton...Sept. 30
Anchor.
California, N. Y.-Glasgow...Sept. 30
Atlantic Transport.
Minneapolis, N. Y.-London...Sept. 30
Cunard.
Campania, N. Y.-Liverpool...Sept. 27
Holland-America.
Potsdam, N. Y.-Rotterdam...Sept. 26
New Amst'd'm, N. Y.-Rot'd'm...Oct. 3
Hamburg-American.
K. Aug. Vic't'a, N. Y.-H'burg...Sept. 28
Pres. Lincoln, N. Y.-Hamburg...Oct. 3
Leyland.
Canadian, Boston-Liverpool...Sept. 30
North German Lloyd.
K. W. der Grosse, N. Y.-B'm'n...Sept. 26
Gr. Kurfuerst, N. Y.-B'm'n...Sept. 28
Red Star.
Kroonland, N. Y.-Antwerp...Sept. 30
White Star.
Zeeland, Boston-Liverpool...Sept. 26
Celtic, N. Y.-Liverpool...Sept. 28
Olympic, N. Y.-Southampton...Sept. 30

is treasurer and assistant manager;
Henry H. Kelsey of New Haven is the
secretary and superintendent of the
greenhouses and Frank S. Platt a di-
rector. The company has bought out
the retail floral department of the
Frank S. Platt Co.

A USEFUL DECORATIVE PLANT.

In the course of a conversation on
the subject of decorative foliated
plants for florists' use, P. M. Koster
on his recent visit to this country
mentioned as a subject especially de-
serving of attention the beautiful var-
iegated maple, *Acer Negundo* foliis
alba variegata. It is used with lovely
effect abroad, he said, for June wed-
dings and such affairs in conjunction
with palms, in dark surroundings, be-
ing grown in pyramid form, about
five feet high. They are cheap, strong
plants costing about \$30 per 100.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any
part of the United States, Canada, and
all principal cities of Europe. Orders
transferred or entrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

NEW YORK

Orders for Steamer, Theatre, Hotel, or
Residence Carefully Filled.

Wm. H. LONG
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DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

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Write or telegraph

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Telephone 1552-1553 Columbus

Established 1874.

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FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspon-
dents in all the large cities of Europe and the British
Colonies. Telegraph and Cable address, Dardspier

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points,
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

BUFFALO

S. A. ANDERSON

440 MAIN STREET

Special Deliveries Niagara Falls
and Lockport

"THE HOME OF FLOWERS"

The largest cut flower store in America.
Orders for the TWIN CITIES and for all
Northwestern points given prompt at-
tention.

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN
194 Boylston Street, Boston

**LOUISVILLE, KY.
JACOB SCHULZ,**
550 South Fourth Ave.

CHICAGO NOTES.

Severe Storm.

A very severe rain storm, accompanied by a wind that was little short of a cyclone, passed through Chicago early Monday morning, Sept. 18, and did considerable damage. The only wonder is that more florists were not heavy losers, but the path of the storm was from the northwest to the southeast and fortunately the losers were few in number. Peter Reinberg lost heavily and at this writing no accurate estimate can be given, but it is safe to say that several houses will have to be rebuilt and that glass is broken over the entire plant. At George Reinberg's one section of houses was torn down by the wind and the stock destroyed by the falling glass, while every house will need to have more or less repair. The Schaeffer place, six large houses just north of the Reinbergs, which is rented by Charles Handel, is a complete loss. All the houses are down and the stock ruined. This place was directly in the line of the storm and received its full force. The trees all over the city were damaged, many broken down or torn up by the roots. In places hail fell, and outdoor stock is now considered out of the question for this season. Frank Beu's place was close to the path of the storm but fortunately escaped. A barn came sailing by but considerably alighted on some vacant ground instead of on the glass. The Chicago Carnation Co.'s plant at Joliet was uninjured by the severe storm of Monday morning. The government recorded six inches of rainfall. The aster plants were all down and Mr. Pyfer is rejoicing that his carnation plants are far ahead of the season.

A Prosperous Young House.

The A. Henderson Co. have completed their office and have everything in fine shape for handling their trade. A second shipment of Dutch bulbs is expected this week.

Personal.

T. E. Waters is now with the Poehlmann Bros. in their wholesale store. Chas. Erne severed his connection with the E. H. Hunt Co. Sept. 16, and

Robt. Gorcke, known as "Jack," is temporary assistant.

Edward Armstrong, of the firm of A. Lange, is taking a week's vacation in Michigan.

William Allen of Schiller's and Margaret Wagoner of Hudson, N. Y., were married at St. Margaret's church Sept. 11th. Mr. and Mrs. Allen have gone to housekeeping at 19 N. Albany street. On the 26th will occur the marriage of Herman Schiller and Helen Gaerty, and on Nov. 22nd Frank W. Paszkiet of Wiltor Bros. and Martha Robakowski will embark on matrimonial seas.

Visitors:—G. E. Dallam, Lyons, Iowa; W. P. Craig, Philadelphia, Pa.; J. J. Karins, of Dreer's, Philadelphia; S. W. Pike, St. Charles, Ill.; H. M. Burt of Burt & Coggin, Jackson, Mich.; Mr. Freiling, of Freiling & Mendels, Wealthy Ave. Floral Co., Grand Rapids, Mich.

WASHINGTON NOTES.

Earl Barlow, with Z. D. Blackistone, has returned from a six weeks' visit to his home town, Newport, R. I.

Mrs. McCabe, wife of Mr. M. J. McCabe of the Centre Market, is spending some time in New York and other cities adjacent thereto.

Mrs. Schattmier, wife of Mr. J. G. Schattmier, with Z. D. Blackistone, has left for an extended visit to her old home in Newark, N. J.

Miss Louise Daugherty, bookkeeper at the store of George C. Shaffer, has returned from her vacation which she spent in New York state.

J. M. Hammer & Son are refitting their houses at Second and Florida avenue, N. E. They are placing new roofs on three of their seven houses.

J. C. Powell is spending a two weeks' vacation at Atlantic City, while Miss Grace Powers is whiling away a little time at Richmond, Va. Both are employed at the F Street store of F. H. Kramer.

Fred Gust, well known to the trade, is about to sever his connection with the Washington Florists' Co. to accept a position with the Fernery at Seattle, Wash. The best wishes of the trade accompany Mr. Gust.

W. E. McKissick, of the S. S. Pen-nock-Meehan Co., made one of his regular trips among the Maryland growers. He reports that Maryland stock is coming along in fine shape, roses and carnations being very good.

F. H. Kramer has some very fine long-stem Richmonds from three-year-old bushes. They are really remarkable and when the season is over the plants will be given a fourth chance in the hope of another season's success.

F. H. Kramer reports finding it difficult to have the large smokestack at his plant in Anacostia kept in proper repair, it being difficult to get men to go up to such a distance. He is, therefore, replacing the iron stack with one of brick.

George Augle, manager of the Philadelphia Cut Flower Co., Philadelphia, Pa., spent his vacation in this city, as did also William Dunning, another Quakerite, manager of the Julius Wolff store. Mr. Dunning was accompanied by his family.

The Brookland Brotherhood held its annual horticultural show in the Lord Memorial Hall of the Brookland Baptist Church, Twelfth and Newton streets, on September 19 and 20.

Prizes were awarded for the best cut flowers, potted plants, etc.

The Washington Florists' Club are in receipt of an invitation from R. A. Vincent, chairman, to attend the fifth annual dahlia and flower show, September 26 to 29, and many of the members will, no doubt, accept this invitation as in the past, when good-sized delegations of Washingtonians have made the trip.

W. F. Gude has been appointed grand marshal of the escort in the Veiled Prophets' parade, September 26. Florists of Washington who are taking an active part in the arrangements are F. H. Kramer, George E. Cooke, W. W. Kimmell, J. Henry Small, Jr., E. C. Mayberry, O. A. C. Oehmler, E. S. Schmid, A. Gude, W. F. Gude, and others.

CLARENCE L. LINZ

ST. LOUIS NOTES.

Chas. Young is back from a trip to Harrisburg, Pa.

C. C. Sanders left Monday for a week's stay at West Baden Springs.

Mr. and Mrs. R. J. Windler are expected home this week from their bridal trip.

C. Young & Sons Co. will build a large retail place on Waterman avenue adjoining their greenhouse plant. The store is to have a 30-foot front and a 35-foot show house on each end, making it 100 feet long.

It is not regarded as quite certain that there will be a fall flower show by the St. Louis Horticultural Society. The meeting of the executive committee next week will decide for the present. The board is divided on the question.

The greenhouses of James L. Shields at 7227 Florissant avenue, near the Bellefontaine Cemetery, were damaged \$4000 by the wind Friday night. Last spring nearly every glass in the greenhouses was broken in the hailstorm which damaged much St. Louis property. Shields' loss at that time was several thousand dollars.

Visitors: Paul Berkowitz, of H. Bayersdorfer & Co., Philadelphia, Pa.; Julius Dillhoff, representing Schloss Bros., New York; Arnold Ringier, representing W. W. Barnard Co., Chicago.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edw. MacMullin, 194 Boylston St.
Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's 304 Main St.
Buffalo, N. Y.—S. A. Anderson, 440 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Denver, Col.—Park Floral Co., 1643 B'way.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Kansas City, Mo.—Samuel Murray, 912 Grand Ave.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 611 5th Ave.
New York—W. H. Long, 412 Columbus Av.
New York—Young & Nugent, 42 W. 28th.
New York—Dards, N. E. cor. 44th St. and Madison Ave.
St. Paul, Minn.—Holm & Olson.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.
Washington, D. C.—Gude Bros., 1214 F St.
Wellesley, Mass.—Tallby.

THE Florists' Supply House of America

H. BAYERSDORFER & CO.
1129 Arch St., Philadelphia, Pa.

NEW ENGLAND
FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points to

THOS. F. GALVIN
124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall
Schools. TAILBY, Wellesley, Mass.
Tel. Wellesley 44-1 and 2. Night 44-3

The Leo Niessen Co. Wholesale Florists **Philadelphia, Pa.**

Inscriptions, Emblems, etc. Always
in Stock.

EDWARDS FOLDING BOX CO.
MANUFACTURERS
PHILADELPHIA, PA.

WHOLESALE COMMISSION FLORISTS
CONSIGNMENTS SOLICITED

Boston, Mass.

**WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100
TO DEALERS ONLY**

ROSES	BOSTON Sept. 21		CHICAGO Sept. 19		ST. LOUIS Sept. 19		PHILA. Sept. 19	
Aro. Beauty, Fancy and Special..	15.00	to 25.00	20.00	to 25.00	15.00	to 25.00	20.00	to 25.00
" Extra	10.00	to 15.00	15.00	to 20.00	10.00	to 12.50	12.50	to 15.00
" No. 1	6.00	to 10.00	10.00	to 12.00	5.00	to 6.00	8.00	to 10.00
" Lower grades	2.00	to 4.00	6.00	to 8.00	2.00	to 4.00	5.00	to 6.00
Richmond Chateaux, Fancy & Spl..	3.00	to 5.00	6.00	to 10.00	5.00	to 10.00	5.00	to 6.00
" Lower grades .....	.50	to 2.00	3.00	to 5.00	2.00	to 4.00	2.00	to 4.00
Killarney, Maryland, Fan. & Spl..	4.00	to 8.00	6.00	to 10.00	5.00	to 6.00	5.00	to 6.00
" Lower grades .....	.50	to 2.00	3.00	to 5.00	2.00	to 4.00	2.00	to 4.00
" " M. D. .....	.50	to 1.00	3.00	to 8.00	4.00	to 5.00	2.00	to 4.00
Kaiserin, Carnot, Fast	2.00	to 8.00	5.00	to 8.00	4.00	to 5.00	2.00	to 8.00
CARNATIONS, First Quality..	1.50	to 2.50	1.00	to 2.00	2.00	to 3.00	2.00	to 3.00
" Ordinary	1.00	to 1.50	.50	to 1.00	1.00	to 1.50	.75	to 1.00
MISCELLANEOUS								
Cattleyas	3.00	to 50.00	30.00	to 50.00	.....	to	0.00	to 60.00
Lilies, Longiflorum,	5.00	to 8.00	5.00	to 8.00	5.00	to 10.00	10.00	to 12.50
Lily of the Valley	2.00	to 4.00	2.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Chrysanthemums	12.00	to 10.00	12.00	to 20.00	.....	to	10.00	to 12.00
" Gladioli .....	.50	to 2.00	2.00	to 6.00	2.00	to 3.00	.....	to
" Asters .....	.25	to 1.50	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00
" Daisies .....	.50	to .75	.50	to 1.00	.....	to .....	.....	to
" Dahlias .....	.....	to .....	.....	to	2.00	to 4.00	1.50	to 5.00
" Sweet Peas .....	.....	to .....	.50	to 1.00	.....	to .....	.50	to .75
" Gardenias	8.00	to 10.00	.....	to .....	.....	to .....	.....	to
" Adiantum	1.00	to 1.50	.....	to 1.00	1.00	to 1.25	1.00	to 1.50
" Smilax	12.00	to 15.00	15.00	to 18.00	12.00	to 15.00	12.50	to 15.00
Asparagus Plumosus, strings (100) .....	.....	to 50.00	50.00	to 60.00	35.00	to 50.00	35.00	to 50.00
" " " & Spen. (100 bchs)	16.00	to 35.00	35.00	to 40.00	10.00	to 30.00	35.00	to 50.00

82-84-86 E. Randolph St., Chicago
OUR STOCK IS A-1 AND IT IS QUALITY NOT
PRICES THAT TALKS

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Everything in Flowers
Complete Stock of Florists' Greens,
Three Floors of Florists' Supplies.

Manufacturer of Florist Wire Designs.
All kinds of Florist Supplies.
New crop Dagger and Fancy Ferns, \$1.75
per 1000. **Green and Bronze Galax, 90c.** per
doz.; by the case, \$7.50. **Boxwood, 50-lb.**
case, \$7.50; by the lb., 25c. **Laurel Wreaths,**
10-inch, \$1.75 per doz.; 12-inch, \$2.25 per
doz.; 14-inch, \$3.00 per doz.; 16-inch, \$4.50
per doz. **Laurel Trimming, 1 and 5c.** per yd.



Flower Market Reports.

BOSTON Conditions generally in this vicinity may be said to be fairly satisfactory. The sales are holding up well, and as compared with last year are favorable in aspect. The aster situation has moderated somewhat, due in part to the devastation of the outdoor crop by recent heavy rains, but there is still an ample supply of them. Carnations are just beginning to assert themselves; the flowers are good but stems are short yet. The situation is satisfactory, quality having improved materially along the line. The novelties, such as Radiance, Hillingdon and Taft are in the lead of the older favorites in interest, and as they are all good shippers the wholesalers have yet to hear the first complaint concerning them. The supply of lily of the valley is ample and quality excellent. Giganteum lilies are in fair call and not overabundant. Golden Glow is the only chrysanthemum as yet. It is only within the last few days that it has been possible to fill calls for cattleyas.

BUFFALO Only a very slight improvement in the market the past week.

There was still plenty of everything, and at prices that are not encouraging to the grower. Asters are still with us though the receipts are not half as heavy, but again no outlet that would clean up the market. Gladioli are in good supply and quality good, and are moving to better advantage than a week ago. Roses are improving daily, and extras and selects are becoming more plentiful. Also in the carnation line there is much now to be had—some choice White Perfection, Winsor and Enchantress and each day brings the quality better and the demand growing. Golden Glow chrysanthemums only in slight demand.

CHICAGO The big storm of Monday morning has played an important part in the question of stock. The high wind, the excessive rainfall and in some localities the hail have laid low the late asters and gladioli. There was a marked difference in the looks of the tables in the wholesale stores the morning following the storm and those who do not favor the aster when the market is overfilled with them are now rejoiced at their absence. All plant stock left in the fields has also suffered. Beauties are excellent and are moving satisfactorily. Chrysanthemums are daily more in evidence and where quality is right buyers look

MICHIGAN CUT FLOWER EXCHANGE, Inc.

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Consignments Solicited

Hardy Fancy Fern Our Specialty

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WILLIAM H. KUEBLER

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A First Class Market for all CUT FLOWERS

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WHOLESALE FLOWER MARKETS.—TRADE PRICES—Per 100 TO DEALERS ONLY

	CINCINNATI Sept. 1		DETROIT Sept. 11		BUFFALO Sept. 19		PITTSBURG Sept. 19	
ROSES								
Am. Beauty, Fan. and Sp.	15.00	to 20.00	20.00	to 25.00	20.00	to 25.00	to 25.00	to 25.00
" Extra	10.00	to 15.00	15.00	to 20.00	15.00	to 20.00	to 20.00	to 20.00
" No. 1	8.00	to 10.00	10.00	to 15.00	8.00	to 10.00	to 15.00	to 15.00
" Lower grade	3.00	to 5.00	4.00	to 10.00	3.00	to 4.00	to 5.00	to 10.00
Richmond, Chateaux, Fan. & Spl.	5.00	to 8.00	5.00	to 7.00	6.00	to 7.00	5.00	to 6.00
" Lower Grades	3.00	to 4.00	3.00	to 5.00	3.00	to 4.00	3.00	to 4.00
Kilmarney, Maryland, Fan. & Spl.	4.00	to 5.00	5.00	to 7.00	6.00	to 7.00	6.00	to 8.00
" Low Grades	3.00	to 4.00	3.00	to 5.00	3.00	to 4.00	3.00	to 4.00
Bride, 'Maid,	2.00	to 4.00	3.00	to 5.00	2.00	to 4.00	2.00	to 4.00
Kaiserin, Carnot, Taft	2.00	to 5.00	3.00	to 8.00	3.00	to 7.00	2.00	to 8.00
CARNATIONS, First Quality .....	.50	to 2.00	to 1.00	to 1.50	to 2.00	to 1.00	to 1.50	to 1.50
" Ordinary	to 1.00	to 2.00	to 1.00	to 1.50	to 1.25	to 1.00	to 1.25	to 1.00
MISCELLANEOUS								
Cattleyas	to 50.00	to 50.00	to 50.00	to 50.00	to 50.00	to 50.00	to 50.00	to 50.00
Lilies, Longiflorum	10.00	to 12.50	12.50	to 15.00	10.00	to 12.50	10.00	to 12.50
Lily of the Valley	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Chrysanthemums	to 15.00	to 15.00	to 15.00	to 15.00	to 15.00	to 15.00	to 15.00	to 15.00
Gladioli	1.00	to 3.00	3.00	to 5.00	2.00	to 3.00	1.00	to 4.00
Asters .....	.50	to 3.00	1.00	to 3.00	.50	to 1.50	.50	to 3.00
Daisies	to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	to 1.00
Dahlias	to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	to 1.00
Sweet Peas	to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	to 1.00
Gardenias	to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	to 1.00
Adiantum	to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	to 1.00
Smilax	to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	to 1.00
Asparagus Plumosus, strings (100) ..	to 40.00	to 40.00	to 35.00	to 40.00	to 40.00	to 40.00	to 40.00	to 40.00
" " & Spreng. (100 bchs.) ..	to 2.00	to 2.00	to 2.00	to 2.00	to 2.00	to 2.00	to 2.00	to 2.00

with favor on them, but no one wants to pay the difference in price when large, well-grown asters are to be had in competition with inferior chrysanthemums. Carnations cut from the field will now be fewer in quantity if not wholly out of the market. Those from under glass are fully up to the season and in many cases far beyond. There is a sufficient supply of green to meet the demand and the quality is good. On the whole, business for the first half of September is better than that of August.

CINCINNATI This week business started out fairly well just as a week before, and it is to be hoped that the close will not show the same dull balance of the week that the preceding one displayed. The local buyers are cautious and complain of slow business, especially a scarcity of funeral work. The out-of-town buyers are very active. The supply in all lines easily meets all calls and might even meet more if they were apparent. The feature is a tremendous influx of good lilies. At the time of writing this article there are more of them than will move with any degree of rapidity. The supply of roses and carnations grows larger each day. Most of them are of excellent quality too. Among the former the Beauties and Taft deserve special mention, while the others are not by any means outdistanced. The close of last week saw more or less of a glut in carnations. Choice asters are not as scarce as they were at the last writing. Many of these blooms arriving bespeak the close of the season. The same is true of gladioli. Cosmos is very popular and consequently takes the buyers' eyes and unties their purse-strings.

ST. LOUIS There was a great deal of business done here the past week among the retailers, but it was nearly all for funerals. They say that is about all the business that is going on at present, and as the weather continues very warm there can hardly be much improvement in other work until it becomes cooler and the retailers can display cut stock in their show windows. The market, though, has abundance of stock in almost anything the trade demands. Carnations are good but stems short.

WASHINGTON Roses are coming in quite plentifully but there is hardly enough demand to move the stock along to advantage. Carnations have sold well at \$1 to \$1.50 per hundred, and lily of the valley at \$4; asters last week were quite plentiful and were of good, clean-cut stock, bringing from \$1 to \$1.50. Considerable of the out-of-town shipments arrived in a bruised condition, and this damaged stock was sold to the street men at a low figure. The aster season, locally, is about at an end, but with the carnations, dahlias and other stock coming in, these can well be dispensed with. Greens have moved well in small quantities. Cattleya labiata have started to come in good shape.

Detroit, Mich. With continued warm weather and little call from the retailers, the wholesalers are swamped with flowers, all of which show a great improvement in quality. This week has the earmarks of a more general activity and a much better return will be due one week hence.

M. C. FORD
 Successor to
FORD BROTHERS
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FINE ROSES. FANCY CARNATIONS
 A Full Line of All CUT FLOWERS.
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Tel. 1462 Madison Square New York
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Greater New York
Florists' Association, Inc.
 Now Open for Cut Flower Consignments.
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ORCHIDS A SPECIALTY
 THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
 GARDENIAS, DAISIES, ROSES AND CARNATIONS
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 Tel. 759

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Sept. 16 1911		First Half of Week beginning Sept. 18 1911	
American Beauty, Fancy and Special.....	15.00	to 25.00	15.00	to 30.00
" " Extra.....	12.00	to 15.00	12.00	to 15.00
" " No. 1.....	6.00	to 8.00	6.00	to 8.00
" " Lower Grades.....	2.00	to 4.00	2.00	to 4.00
Richmond, Chateaux, Extra and Special.....	2.00	to 4.00	2.00	to 4.00
" " Lower Grades.....	1.00	to 2.00	1.00	to 2.00
Killarney, My Maryland, Extra and Special.....	4.00	to 8.00	4.00	to 8.00
" " Lower Grades.....	1.00	to 4.00	1.00	to 4.00
Bride, 'Maid.....	1.00	to 4.00	1.00	to 3.00
Kaiserin, Carnot, Taft.....	2.00	to 5.00	1.00	to 3.00
Carnations, First Quality.....	1.00	to 2.00	1.00	to 2.00
" " Ordinary.....	.50	to .75	.50	to .75

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 { 1665 }
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Wholesale Florists
 136 W. 28th St., New York City
 Phone 8346 Madison Square
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TRAENDLY & SCHENCK
Wholesale Florists
 131 West 28th St., New York
 Telephones: 798 and 799 Madison Square
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CHARLES MILLANG
Wholesale Florist
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 Telephone 7062 Madison

Wired Toothpicks
 Manufactured by
 W. J. COWEE, BERLIN, N. Y.
 10,000... \$1.75; 50,000... \$7.50. Sample free
 For sale by dealers

A. L. YOUNG & CO.
WHOLESALE FLORISTS
Choice Cut Flowers
 CONSIGNMENTS SOLICITED
 54 West 28th St., NEW YORK
 Prompt Payments. Telephone 3559 Madison Sq

FRANK MILLANG
Wholesale Florist
 55-57 West 26th St., NEW YORK
 Shipments, any quantity, Whole-
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 Simple methods of correct accounting
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Flower Market Reports

(Continued from page 1)

NEW YORK That the harvest time in floral circles is not yet here is evidenced by the abundance of material in the wholesale establishments and the sporadic nature of the buying. While the tone is undoubtedly better, yet there is nothing thus far to boast about. The quality of stock is, however, greatly improved and it is a pleasure to look over the product of some of the careful growers. Roses are especially gaining in quality from day to day and the select grades are saleable at a correspondingly better price than prevailed hitherto.

Things picked

PHILADELPHIA up a little towards the end of the week; but on the whole trading was very sluggish. Stocks have improved very materially both in quantity and quality, the most noticeable advance being in roses and carnations. American Beauty roses now arriving are mostly from local growers—the eastern product which up to last week was of better color being now displaced. Dahlias have improved greatly and are now much superior as to stem and many of the choicer varieties that do not flower early are to be seen. Carnations also are beginning to look something like a flower. The only gardenias coming in are outdoor stock. They are pretty fair. The indoors will not be along for some little time yet. Plenty of cosmos of excellent quality; meets with ready sale but at very moderate price as a rule. Oak leaves with a good tinge of brown are in, showing that Jack Frost has “arriven” and that the tritoma and oak foliage combination will now be in order. Early chrysanthemums have appeared, the variety Golden Glow being the principal one so far. These meet with pretty good sale. Hydrangea is now showing its lovely bronze shadings and is in much demand. Lily of the valley and lilies are both excellent and abundant and the market for these remains steady with rather an upward tendency for local grown lilies. The New York and other distant longiflorums bring as a rule two to five cents less than the home product. Asters are still good and will probably continue a strong factor in the market for some time yet.

The market during the past week has been sluggish, the

PROVIDENCE disappearance of the outdoor flowers combined with the scarcity of indoor blooms being in the main responsible for the conditions. Asters have been very short, choice stock bringing \$2.00 per 100, nearly all indoor-grown stock. A few chrysanthemums have appeared in the market bringing \$2.50 a dozen. Roses have been plenty. Carnations are short at \$1.50 per 100 and the supply is only fair. The first killing frost of the season swept over many sections of the state a week ago Wednesday night, dealing death to plants and flowers of a tender nature that had been left out by the unsuspecting growers. Thus far no serious losses have been reported. With the disappearance of the many private outdoor gardens in the urban sections florists look to see an increase in the business



Carnation Special

New crop now arriving. Very good as to size and substance for the season. Such varieties as Mrs. Ward, Dorothy Gordon, White Perfection and Beacon are very good, and are the leaders in this market. The best stock of the best growers is what we offer—in all the staple varieties.

Per 100: Fancy, \$3.00; Extra, \$2.00.

SPECIAL OFFER: In lots of 500 or over, we make a special offer of Carnations for this week; our selection as to colors and varieties; Fancy Quality at \$20.00 per 1000. Our special offers are designed as “opportunities for live business men.” Wonderful values. Try a sample box and judge for yourselves. Perfect packing for express shipment. Our specialty.

New and Choice Roses

In addition to our regular list of all the leading roses, please note that we are receiving regular supplies of new and choice varieties, such as Double Pink Killarney, Melody, Prince de Bulgarie, Mrs. Aaron Ward, etc. This week's quotations on these are as follows:

	Per 100	Fancy	Extra	First
Double Pink Killarney		\$10.00	\$8.00	\$6.00
Melody		6.00	4.00	4.00
Prince de Bulgarie		8.00	6.00	6.00
Mrs. Aaron Ward		5.00	3.00	3.00

Welcome novelties these—that will please your customers.

ROSE SPECIAL: In line with our carnation special (mentioned above) we offer for this week, standard varieties of roses, our selection as to colors, etc., in lots of two hundred or over, at \$3.00 per 100.



FIELD GROWN CARNATION PLANTS

See our advertisement in Horticulture of Sept. 2.

We still have some fine plants of most of the varieties to offer.

Distributing Agents for the great new roses for 1912

Double White Killarney AND Killarney Queen

Write us for particulars and prices. Orders booked now.

S. S. PENNOCK-MEEHAN CO.

THE WHOLESALE PHILADELPHIA FLORISTS OF

NEW YORK
109 W. 28th Street

PHILADELPHIA
1608-1620 Ludlow Street

WASHINGTON
1212 New York Ave.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Sept. 16 1911		First Half of Week beginning Sept. 18 1911	
Cattleyas	50.00	to 60.00	40.00	to 60.00
Lilies, Longiflorum	3.00	to 5.00	3.00	to 5.00
Lily of the Valley	1.00	to 2.00	1.00	to 2.00
Chrysanthemums	10.00	to 10.00	10.00	to 10.00
Gladioli	.25	to 1.00	.35	to 1.00
Asters	.15	to 1.00	.15	to 1.00
Dahlias	.10	to .25	.10	to .25
Dahlias	to	to	to	to
Sweet Peas (per 100 bunches)	1.00	to 3.00	1.00	to 3.00
Gardenias	8.00	to 12.00	8.00	to 12.00
Adiantum	.50	to .75	.50	to .75
Smilax	5.00	to 8.00	5.00	to 8.00
Asparagus Plumosus, strings	to	35.00	to	35.00
" & Siron. (see below)	10.00	to 20.00	10.00	to 20.00

the coming week. The heavy rain of two weeks ago came at an opportune time to revive some of the outdoor stock.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

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Chas. H. Totty, Madison, N. J.
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AMPELOPSIS.

Ampelopsis Veitchii, 4-in., 20c each; \$2.00 per doz.
Ampelopsis Engelmanni, 4-in., 20c each; \$2.00 per doz.
The Geo. Wittbold Co.,
Edgebrook, Chicago, Ill.

ABACARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
For page see List of Advertisers.
Godfrey Aschmann, 1012 Ontario St., Philadelphia.
For page see List of Advertisers.

ARTIFICIAL FLOWERS.

Markovits Bros., Importers and Manufacturers of Natural Ferns, Palm and Wax Roses, 954 Milwaukee Ave., Chicago, Ill.
Phone Monroe 4530.

ASPARAGUS

A. Leuthy & Co., Roslindale, Mass.
Asparagus Plumosus Nanus.
For page see List of Advertisers.
A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.
Asparagus scandens deflexus, 4-in., \$1.50 per doz.
Asparagus Sprengeri, 4-in., \$1.50 per doz., \$10.00 per 100, \$80.00 per 1000. 500 at 1000 rate.
Asparagus plumosus, 2-in., \$3.00 per 100.
The Geo. Wittbold Co.,
Edgebrook, Chicago, Ill.
Asparagus Sprengeri and Plumosus, fine extra strong healthy stock from 3 in. pots, \$3.00 per 100, cash. No better stock ever offered for the money. Plant now to cut from. O. B. Kenrick, 52 Alexander Ave., Belmont, Mass.
15,000 A-1 2 inch Asparagus Plumosus, \$20.00 per 1000; \$2.50 per 100. 3,000 extra strong 2 inch Sprengeri, large enough for four inch pots, \$15.00 per 1000; \$2.00 per 100. Send five cents in stamps for sample. Cash with order. Satisfaction guaranteed. Erdman & Ulrich, Belair Road, Baltimore, Md.

ASPARAGUS SPRENGERII.

2 and 3 inch, \$2.00 and \$3.50 per 100. Cash please. J. J. Clayton & Son, West Grove, Pa.

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Loechner & Co., New York, N. Y.
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A. Leuthy & Co., Roslindale, Mass.
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Thomas Roland, Nahant, Mass.
Lorraine Begonias.
For page see List of Advertisers.

BERRIED PLANTS.

Jerusalem cherries, field-grown, 4-in., \$10.00 per 100.
The Geo. Wittbold Co.,
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For page see List of Advertisers.

BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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A. Leuthy & Co., Roslindale, Mass.
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Julius Roehrs Co., Rutherford, N. J.
Box Trees all sizes. Ask for special list.

BOXES—CUT FLOWER—FOLDING

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.
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Wholesale Catalogue.
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Rickards Bros., 37 East 10th St., New York.
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Fall Bulbs.
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E. S. Miller, Wading River, N. Y.
Bulbs and Roots for Fall Planting.
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CANNAS.

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CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
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Wood Bros., Fishkill, N. Y.
Field Grown Plants.
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CARNATIONS—Continued

Carnation Plants—Field-grown, Enchantress, white and pink Lawson, \$5.00 per 100. Cash. M. J. Schaaf, Dansville, N. Y.

FIELD GROWN CARNATIONS—White Enchantress, Fair Maid, Harry Fenn, Lawson, Winsor, Queen, Beacon. Thomas Capers, Wellesley Hills, Mass.

Carnations. Large strong healthy plants. Enchantress and Rose Enchantress, \$5.00 hundred. Boston Market, Mald., \$4.00. Arno Chase, Cumberland Centre, Maine.

Extra good carnation plants, field grown. 1500 Queen, 1200 Winsor, 500 Perfection, 200 Enchantress, 100 H. Fenn, 200 Beacon, \$6.00 per 100; \$50.00 per 1000. Cash. Chas. H. Green, Spencer, Mass.

200 Elbon, \$3.50 per 100; 500 Pink seedling, \$3.00 per 100. Cash please. J. J. Clayton & Son, West Grove, Pa.

CARNATIONS, FIELD GROWN.

Enchantress \$5.00 per 100
White Perfection \$5.00 per 100
Vern L. Schluraff, Erie, Pa.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CHRYSANTHEMUMS

Elmer D. Smith, Adrian, Mich.
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Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Chrysanthemums, rooted cuttings, Monrovia, Polly Rose, \$12.00 per 100. Violets, Princess of Wales, \$6.00 per 100; \$50.00 per 1000. Chas. Lenker, Freeport, L. I., N. Y.

CINERARIAS

Cinerarias, best strain dwarf, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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CROTONS.

Crotons, 2½-in., \$1.00 per doz.; 3-in., \$1.50 per doz.; 4-in., 25c each, \$3.00 per doz.
The Geo. Wittbold Co.,
Edgebrook, Chicago, Ill.

CYCLAMENS

Cyclamen—Best Varieties in different colors, 3 inch pots, strong plants, \$10.00 per 100, \$80.00 per 1000. Julius Roehrs Company, Rutherford, N. J.

DAHLIAS

Herbert, Acto, N. J.

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R. Vincent, Jr. & Sons Co., White Marsh, Md.
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Double Daisies (Bellis), mixed, nice plants, \$1.25 per 500; \$2.00 per 1000. M. B. Saunders Co., 25 Burnett St., Providence, R. I.

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

Dahlias, divided roots, from 1 to 3 eyes to the piece. Send for list and get the latest varieties. W. P. LOTHROP, Brockton Dahlia Farm, E. Bridgewater, Mass.

DAHLIAS NEW FOR 1911.

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williams-town Junction, N. J., Post Office, Berlin, N. J.

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DECORATIVE PLANTS

- A. Leuthy & Co., Perkins St. Nurseries,**
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- Robert Craig Co., Market and 49th Sts.,**
Philadelphia, Pa.
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- John Scott, Brooklyn, N. Y.**
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- W. W. Edgar Co., Waverly, Mass.**

DRACAENAS.

- Dracaena fragrans*, 2½-in., \$1.50 per doz.;
3-in., \$2.00 per doz.; 4-in., \$3.00 per doz.;
5-in., \$5.00 per doz.
- Dracaena indivisa*, 2-in., \$3.00 per 100,
\$25.00 per 1000; 7-in., 2½ to 3 ft. high, \$1.25
each, \$15.00 per doz.
- Dracaena Massangeana*, 5-in., \$1.25 each;
6-in., \$1.50 each.
- The Geo. Wittbold Co.,
Edgebrook, Chicago, Ill.
- DRACAENA INDIVISA.**
Strong plants ready for 5 in. pots,
\$10.00 per 100.
Vern L. Schluraff, Erie, Pa.

EVERGREENS

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- Frank Oechlin, 4911 Quincy Street,**
Chicago.
- Ferns for Dishes.**
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- Robert Craig Co., Philadelphia, Pa.**
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- F. R. Pierson Co., Tarrytown-on-Hudson,**
N. Y.
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- Joseph Heacock, Wyncote, Pa.**
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- W. W. Edgar Co., Waverly, Mass.**

Anderson's ferns for in and outdoors.
Largest commercial collection in the country.
Ask for descriptive catalogue. J. F.
Anderson, Fern Specialist, Short Hills, N. J.

Boston Ferns—6-inch pots, 45c. each,
\$40.00 per 100. Whitman Ferns, 4-inch, 20c.
each, \$15.00 per 100; 5-inch, 30c. each,
\$25.00 per 100; 6-inch, 45c. each, \$40.00 per
100; 7-inch, 60c. each, \$55.00 per 100; 8-inch,
75c. each, \$70.00 per 100. *Pteris Elastica*,
35c., 50c. and 75c. each. Cash please.
Queen City Floral Co., Manchester, N. H.

Ferns for fern dishes, assorted varieties,
2-in., \$3.00 per 100; \$25.00 per 1000.
Cibotium Schiedei, a most beautiful and
graceful fern. Extra fine plants, 8-in., \$3.00
each.

Boston ferns, 2-in., \$3.00 per 100, \$25.00
per 1000; 3-in., \$8.00 per 100; \$60.00 per
1000; 7-in., 75c. each, \$9.00 per doz.; 8-in.,
\$1.00 each.

The Geo. Wittbold Co.,
Edgebrook, Chicago, Ill.

FERTILIZERS

- 20th Century Plant Food Co., Beverly, Mass.**
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- Pulverized Manure Co., 31 Union Stock**
Yards, Chicago, Ill.
Wizard Brand Cattle Manure.
- The New Mineral Fertilizer Co.,**
19 Exchange Place, Boston, Mass.
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Shell-Marl Land-Lime, doubles farm
crops, best and cheapest lime carbonate
for your soils, not caustic, no magnesia.
Wood ashes substitute, better than Canada
ashes, standard, no moisture. Fine-Ground
Phosphate Rock, permanent soil builder.
Force-Feed Lime-Fertilizer Sowers, cheap-
est and best. Baled shavings, best ab-
sorbent stable bedding. All sold at lowest
possible prices. Send for catalogue. Ver-
mont Marl Company, Brattleboro, Vermont.

Hardwood ashes, best fertilizer on earth
for lawns and gardens. George Stevens,
Peterborough, Ont., Canada.

FEVERFEW

Feverfew. Unrooted cuttings, 50c. per
100, or \$4.00 per 1000, by mail prepaid.
Adolph E. E. Koch, Nobscoot, Mass.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
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FLORISTS' LETTERS

Boston Florist Letter Co., 66 Pearl St.,
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FLORISTS' SUPPLIES

- N. F. McCarthy & Co., 84 Hawley St.,**
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- H. M. Robinson & Co., 15 Province St. and**
9 Chapman Place, Boston, Mass.
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- Reed & Keller, 122 W. 25th St., New York.**
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- H. Bayersdorfer & Co., 1129 Arch St.,**
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- S. S. Pennock-Meehan, Philadelphia, Pa.**
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- A. H. Hews & Co., Cambridge, Mass.**
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- Hilfinger Bros., Ft. Edward, N. Y.**
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- Syracuse Pottery Co., Syracuse, N. Y.**
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- Peters & Reed Pottery Co., Zanesville, O.**
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FORGET-ME-NOTS

Forget-me-nots, 1500 Royal Blue, 2¼ in.
pots, 2000 Victorias in flats, large plants,
\$2.00 per 100. Cash. M. B. Saunders Co.,
25 Burnett St., Providence, R. I.

FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh,
mailed to your address for 55 cents by
Horticulture Publishing Co., 11 Hamilton
Place, Boston.

GALAX

- Michigan Cut Flower Co., 38 and 40 Broad-**
way, Detroit, Mich.
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- Kervan Co., New York.**
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- H. M. Robinson & Co., 15 Province St.**
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GERANIUMS

- R. Vincent, Jr. & Sons Co., White Marsh,**
Maryland.
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- Geraniums Nutt, Pottvine, Ricard, Per-**
kins, Viaud, Buchner, Rose, Ivy. Rooted
cuttings, \$1.00 per 100; \$10.00 per 1000.
Edward Wallis & Co., Berlin, N. J.

GLADIOLUS

Frank Blanning, Kinsman, O.
New Gladiolus Niagara.
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Silver Trophy and Florist Mixture Glad-
iolus bulbs, 10,000, large also small sizes,
for sale in October. S. E. Spencer, 58 Con-
greve St., Roslindale, Mass.

GLASS

- Boston Plate & Window Glass Co., Boston.**
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- Standard Plate Glass Co., 26-30 Sudbury**
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- Foley Mfg. Co., Western Ave., between**
25th and 26th Sts., Chicago.
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- Sharp, Partridge & Co., 22d and Lumber**
Sts., Chicago.
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- Parshelsky Bros., Inc., 59 Montrose Ave.,**
Brooklyn, N. Y.
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- Metropolitan Material Co., 1392-1402 Metro-**
politan Ave., Brooklyn, N. Y.
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- Greenhouse glass, lowest prices. J. A.**
ston Glass Co., Hartford City, Ind.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
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GOLD FISH

Gold fish, aquarium plants, snails, cas-
ties, globes, aquarium, fish foods, nets,
etc., wholesale. Franklin Barrett, breeder,
1815 D. St., Philadelphia, Pa. Large breed-
ing pairs for sale. Send for price lists.

GREENHOUSE BUILDING MATERIAL

- A. T. Stearns Lumber Co., Neponset,**
Boston.
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- King Construction Co., N. Tonawanda, N. Y.**
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- J. C. Moninger Co., 117 East Blackhawk**
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Pecky Cypress for Benches.
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- Lord & Burnham Co.,**
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Pipe Carriers.
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- S. Jacobs & Sons, 1359-63 Flushing Ave.,**
Brooklyn, N. Y.

GREENHOUSE CONSTRUCTION

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- Hitchings & Co., 1170 Broadway, N. Y.**
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- Lord & Burnham,**
1133 Broadway, New York.
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- Pierson U-Bar Co., Madison Ave., New York**
Designer and Builder.
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GUTTERS

- King Construction Co., N. Tonawanda, N. Y.**
King Channel Gutters.
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HAIL INSURANCE

Florists' Hall Asso. of America.
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HARDY FERNS AND SUPPLIES

- H. M. Robinson & Co., Boston, Mass.**
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- Michigan Cut Flower Exchange,**
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- The Kervan Co., New York**
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- J. Jansky, Boston, Mass.**
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HEATING APPARATUS

- Kroeschell Bros. Co., 466 Erie St., Chicago.**
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1133 Broadway, New York.
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HERBACEOUS PLANTS

- P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.**
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- New England Nurseries, Bedford, Mass.**
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- Bobblink & Atkins, Rutherford, N. J.**
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HIMEROCALLIS LILY

Fulva, \$2.50 per 100. C. S. Harrison's
Select Nursery Co., York, Neb.

HONEYSUCKLES.

Lonicera Halleana. Hall's honeysuckle, 4-
in., 20c each; \$2.00 per doz.
The Geo. Wittbold Co.,
Edgebrook, Chicago, Ill.

HOSE

H. A. Dreer, Philadelphia, Pa.

HOT-BED SASH

- A. T. Stearns Lumber Co., Neponset, Mass.**
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- Parshelsky Bros., Brooklyn, N. Y.**
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- Lord & Burnham Co., 1133 Broadway, N. Y.**
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In writing to Advertisers kindly mention Horticulture

HYDRANGEAS

F. R. Pierson Co., Tarrytown-on-Hudson,
New York.
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INSECTICIDES

Eastern Chemical Co., Boston, Mass.
Imp. Soap Spray.
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Nicotilde kills all greenhouse pests.
P. R. Palethorpe Co., Owensboro, Ky.
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Stump & Walter Co., New York.
Kiln-dried Tobacco Dust.
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Aphine.
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To-Bak-line Products.
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Wilson Plant Oil and Fertilizer Co., New
York, N. Y.
Wilson Plant Oil.
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Acme Nicotine Insecticides sold direct to
the grower. Acme 45 per cent. Liquid,
pint \$1.75; gallon \$12.50. Acme Fumigat-
ing Paper, case of 288 sheets \$5.50. Sample
can of 24 sheets 60 cents, postpaid. J. P.
Beermaker, 9 Washington Ave., St. Louis,
Mo.

IRISES.

Imperial Japanese Iris.
Henry A. Dreer, Inc., Phila., Pa.
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IRIS GERMANICA.

L'Avenir (lavender), candicans (purple
veined, splashed with white), flavescens
(canary yellow). On account of a surplus,
we offer good single roots of the above var-
ieties, while they last, at only \$3.00 per 100.
The Geo. Wittbold Co., Chicago, Ill.
Edgebrook, Kbedive, \$6.00; Celestie, Chalcedonia,
Elizabeth and Aurea \$5.00; Flavescens,
Madam Chereau, Margolin, Marmora,
Nymph, Pallida Speciosa, and Queen of May,
\$4.00; Florentina White, and Purple Queen,
\$3.00; Delicata, and Sans Souci, \$2.50; Pum-
illa, and Siberian Blue, \$2.00 per 100. C.
S. Harrison's Select Nursery Co., York,
Neb.

Iris Germanica in clumps, not divisions,
at \$2.00 per 100 if taken at once; to clear
space. F. F. Scheel, Shermerville, Ill.

JAPANESE LILIES

Loechner & Co., New York, N. Y.
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KENTIAS.

Bobbink & Atkins, Rutherford, N. J.
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A. Leuthy & Co., Roslindale, Mass.
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LANDSCAPE GARDENING COURSE.

Home Correspondence School, Springfield,
Mass., Dept. 8.
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LILAC

Rouen, 3 to 4 feet, six to fifteen branches,
an ideal hedge as it stands, \$10.00 per 100.
C. S. Harrison's Select Nursery Co., York,
Neb.

LILIUM FORMOSUM

Henry F. Mitchell Co., Phila., Pa.
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LILIUM HARRISH

F. R. Pierson Co., Tarrytown-on-Hudson,
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**LILIUM MULTIFLORUM AND GIGAN-
TEUM**

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Horse Shoe Brand.
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Hardy, Northern Grown Stock.
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Direct Importations.
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Loechner & Co., New York, N. Y.
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TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00 by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

ONION SEED.

Schilder Bros., Chillicothe, O.
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ONION SETS

Leonard Seed Co., Chicago, Ill.
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For Sale. Winter Onion Top Sets, select
stock. A. S. Pett, Crawfordsville, Ind.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
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Ordenez Bros., Madison, N. J., Box 108.
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Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
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Orchids—largest stock in the country.
Stove plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.

Orchid Growers' Manual. By B. S. Wil-
liams, 300 illustrations, 800 pages; descrip-
tions of upwards of 2500 species and var-
ieties of orchidaceous plants, etc. The most
complete work on Orchids and orchid cul-
ture ever published. Price \$10.00. Orders
filled by HORTICULTURE, 11 Hamilton
Place, Boston

Edward V. Low, late of Hugh Low &
Co., dissolved, Vale Bridge, Haywards
Heath, England. "White" Cattleyas and
Choice Cypripediums are leading features.

PALMS, ETC.

Phoenix reclinata, 4-in., 25c ea., \$3.00
per doz., \$20.00 per 100; 5-in., 50c each;
\$5.00 per doz.

Phoenix Roebelenii, 6-in., \$2.00 each; 7-
in., \$2.50 each.

Latania borbonica, 4-in., \$3.00 per doz.,
\$20.00 per 100.

Kentia Belmoreana, 2½-in., \$1.50 doz.;

3-in., \$2.00 doz.; 4-in., \$3.60 doz.; 5-in., \$5.00
doz.; 6-in., 24 to 28 in. high, 4 to 6 leaves,
\$1.50 each.

Kentia Forsteriana, 2½-in., \$1.50 per doz.;
3-in., \$2.00 per doz.; 4-in., \$3.60 per doz.;
5-in., \$5.00 per doz.; 6-in., 36 to 40 in. high,
5 to 6 leaves, \$1.50 each.

Cycas revoluta, the well-known sago
palm, 6-in., 75c to \$1.00 each; 7-in., \$1.00
each.

Pandanus utilis, 3-in., \$2.00 per doz.

The Geo. Wittbold Co., Chicago, Ill.

Edgebrook, A. Leuthy & Co., Perkins St. Nurseries,

Roslindale, Mass.

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Robert Craig Co., Philadelphia, Pa.

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Joseph Heacock, Wyncote, Pa.
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Loechner & Co., New York, N. Y.
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PANSIES

Giant pansy plants of our None Superior
strain, the world's best, 50c. per 100; \$3.00
per 1000. Cash. M. B. Saunders Co., 25
Burnett, Providence, R. I.

We offer seedlings of Giant Pansies,
mixed, Calliopis grandiflora and Sweet
Williams at 35c., 100; \$2.75, 1000. Strong
June sown double Hollyhocks, separate
colors, 75c., 100; \$5.00, 1000. Asparagus
Sprangeri seedlings, strong, \$1.00, 100;
\$5.00, 1000. Russell Bros., Syracuse, N. Y.,
Route 4.

PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4;
2 in., \$3. Shipped flat, low freight rates.
Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
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PECKY CYPRESS BENCHES

Foley Mfg. Co., Chicago.
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A. T. Stearns Lumber Co., Boston, Mass.
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PEONIES

W. L. Gumm, Remington, Ind.
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Send for surplus list. C. S. Harrison's
Select Nursery Co., York, Neb.

PEONIES—1200 sorts, an enormous stock
List ready. C. Betscher, Canal Dover, O.

Peonies in any quantity. Write for
prices on list of your wants. Gilbert H.
Wild, Sarcoxie, Mo.

Peonies, over 500 varieties, embracing
most of the finest foreign and American
varieties. Send for list. W. L. Gumm,
Peony Specialist, Remington, Ind.

Peony Chincensis—divisions, 2 to 3 eyes,
Hemel late pink and Hortense, Trian red
\$3.00 per 100; Festiva alba, early white,
Duchess de Orleans, early pink, Comte de
Jussier very early white and sulphur, \$5.00
per 100. Cash with order. Thomas J.
Oberlin, Sinking Spring, Pa.

Peonies, 50,000 in fine named varieties,
Festiva Maxima, \$10.00 per 100; \$90.00 per
1000. Queen Victoria, \$7.00 per 100; \$60.00
per 1000. Other varieties, including Baron-
ess Schroeder, Couronne d'Or, Duc de Wel-
lington, Felix Crousse, Floral Treasure,
Golden Harvest, Jenny Lind, Livingstone,
Marie Lemoine, Mme. Calot, Mons. Dupont,
Model of Perfection, Mont Blanc, Princess
Beatrice and 50 other choice varieties. List
free. Peonies in mixture, unnamed sorts,
fine for bedding. Mixed pink, all shades,
\$6.00 per 100, \$50.00 per 1000. Mixed white,
all shades, \$8.00 per 100, \$70.00 per 1000.
Mixed red and crimson, all shades, \$7.00
per 100, \$60.00 per 1000. A fine mixture, all
colors, \$3.00 per 100, \$25.00 per 1000. E. Y.
Teas & Son, Centerville, Ind.

PETUNIAS

Petunias (Dreer's), mixed, 2½ in., \$2.00
per 100; 300 for \$5.00. J. C. Schmidt,
Bristol, Pa.

PHLOX

Pyramid, Zouave and Zantippe, \$5.00 per
100. C. S. Harrison's Select Nursery Co.,
York, Neb.

Fifty choicest varieties of hardy Phlox;
whole plants, \$6.00 per 100; \$55.00 per 1000.
Cash please. Adolf Muller, DeKalb Nur-
series, Norristown, Pa.

PHOTOGRAPHS

I make a specialty of photographing
flowers, plants, etc., for reproduction. Let
me submit samples, and prices on material
for the next catalogue or circular. Special
work to order at reasonable prices. Nathan
R. Graves, 414 Hayward Bldg., Rochester,
N. Y.

PLANT STAKES

Seele's Teles Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

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PIPE AND FITTINGS

Foley Mfg. Co., Chicago.

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Kroeschell Bros., Co., 466 Erie St., Chicago.
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Metropolitan Material Co., Brooklyn, N. Y.
For page see List of Advertisers.

Advance Co., Richmond, Ind.
Pipe Carriers.

POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

PRIMULAS

Primulas Chinese, fine plants. 2 1/2 in. \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

PRIMULA MALACOIDES

Arthur T. Boddington, New York, N. Y.
For page see List of Advertisers.

PRIVET

California Privet, any quantity, size, age. Others say ours is the best grown. Write for prices; also on shrubbery, ornamentals, fruit trees, asparagus, etc. Franklin Davis Nursery Co., Baltimore, Md.

100,000 California Privet, 2 year, 2 1/2 to 3 feet, only \$25.00 per 1000, cash. Adolf Muller, DeKalb Nurseries, Norristown, Pa.

RHODODENDRONS

P. Ouwerkerk, Hoboken, N. J.

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Boblink & Atkins, Rutherford, N. J.
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RIBBONS AND CHIFFONS

M. Rice & Co., 1220 Race St., Phila., Pa.
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S. S. Pennock-Meehan Co., Philadelphia, Pa.
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ROSES

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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Robert Craig Co., Philadelphia, Pa.

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W. & T. Smith Co., Geneva, N. Y.

American Grown Roses.

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Bay State Nurseries, North Abington, Mass.
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Wood Bros., Fishkill, N. Y.

Own Root Roses.

For page see List of Advertisers.

Eastern Nurseries, Jamaica Plain, Mass.
New Roses Originated by Jackson Dawson.

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S. S. Pennock-Meehan Co., Phila., Pa.

New Roses for 1912.

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SEED GROWERS

Braslan Seed Growers Co., San Jose, Cal.
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SEEDS

T. J. Grey Co., 32 So. Market St., Boston
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Joseph Breck & Sons,

51 and 52 N. Market St., Boston, Mass.
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Rickards Bros., 37 E. 19th St., New York
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Henry F. Michell Co., Philadelphia, Pa.
Michell's Colossal Mignonette.

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W. Atlee Burpee & Co., Philadelphia.

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Arthur T. Boddington, New York

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E. & J. Farquhar & Co., Boston, Mass.
Flower Seeds for the Florist.

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J. M. Thorburn & Co., 33 Barclay St., N. Y.
Asparagus Plumosus Nana Seeds.
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SEEDS—Continued

Fottler, Flske, Rawson Co., Boston, Mass.
Antirrhinum Seeds.

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Leonard Seed Co., Chicago, Ill.
Peas, Beans, Radish and all Garden Seeds.

For page see List of Advertisers.

Wm. Elliott & Sons, New York.

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James Vick's Sons, Rochester, N. Y.

All Leading Varieties of Seeds.

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Skidelsky & Irwin Co., Philadelphia, Pa.
Giant English Cyclamen and Mignonette.

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The W. W. Barnard Co., Chicago, Ill.
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J. Bolgiano & Son, Baltimore, Md.

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New Crop Giant Cyclamen Seed.

Moore Seed Co., Philadelphia, Pa.

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Hjalmar Hartmann & Co.,

Copenhagen, Denmark.

Cauliflower and Cabbage Seed.

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SOLANUMS.

Solanum aculeatissimum, 6-in., strong, 50c each, \$5.00 per doz.

The Geo. Wittbold Co.,
Edgebrook, Chicago, Ill.

SPHAGNUM MOSS

S. S. Pennock-Meehan Co., Phila., Pa.

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The W. W. Barnard Co., Chicago, Ill.
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Joseph B. Townsend, Berlin, N. J.

Moss, Peat, etc.

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Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

Ten bales sphagnum moss, \$7.00. Z. K. Jewett Co., Sparta, Wis.

SPRAYERS

Chas. J. Jager Co., Boston, Mass.

STEVIAS

Stevias, 2 in., cut back once, \$3.00 per 100, cash. M. B. Saunders Co., 25 Burnett St., Providence, R. I.

SWEET PEAS.

Christmas and Winter Flowering.

Arthur T. Boddington, New York, N. Y.

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TREE RENOVATION

John T. Withers, Inc., Jersey City, N. J.
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VALLEY PIPS

Hjalmar Hartmann & Co.,

Copenhagen, Denmark.

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Lochner & Co., New York, N. Y.

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VENTILATING APPARATUS

Foley Mfg. Co., Chicago.

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The Advance Co., Richmond, Ind.

Improved Ventilator Arm.

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VINCAS

VINCA VARIEGATA.

Strong field grown, \$4.00 per 100.

Vern L. Schluraff, Erie, Pa.

VIOLETS

Princess of Wales, \$6.00 per 100; \$50.00 per 1000. Fine, healthy stock. Order quick! Charles Lenker, Freeport, L. I., N. Y.

GOV. HERRICK VIOLETS.

Strong 4 in., \$5.00 per 100.

Will exchange for Princess of Wales

Vern L. Schluraff, Erie, Pa.

WIREWORK

Reed & Keller, 122 W. 25th St., N. Y.

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J. Jansky, Boston, Mass.

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Wirework. Write for our catalogue
Holton & Hunkel Co., Milwaukee, Wis.

William E. Hellscher's Wire Works, 38-40
Broadway, Detroit, Mich.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
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WOOD PRESERVATIVE

Conservo Wood Preservative doubles the life of all exposed lumber. Preserves benches, posts, sills or planking. Costs 3c. a stick, and saves ten times its cost. Samuel Cabot, Inc., Mfg. Chemists, Boston, Mass.

WHOLESALE FLORISTS

Boston

N. F. McCarthy & Co., 84 Hawley St.
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Welch Bros., 228 Devonshire St.

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H. M. Robinson & Co., 15 Province St.
and 9 Chapman Pl.

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Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellcott St.
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Chicago

Peter Reinberg, 51 Wabash Ave.
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Poehlmann Bros. Co., Morton Grove, Ill.
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J. A. Budlong, 37-39 Randolph St.

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Chicago Flower Growers' Association,
176 N. Michigan Ave.

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Cincinnati, Ohio

The J. M. McCullough's Sons Co., 516
Walnut St.

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Cromwell, Conn.

A. N. Pierson, Cromwell, Conn.

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Detroit

Michigan Cut Flower Exchange, 38 and 40
Broadway.

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New York

M. C. Ford, 121 W. 28th St., New York
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H. E. Froment, 57 W. 28th St., New York.
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E. C. Horan, 55 W. 28th St., New York.
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A. H. Langjahr, 130 W. 28th St., New York.
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James McManus, 55 W. 28th St., New York.
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W. F. Sheridan, 133 W. 28th St., New York.
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Wm. H. Kuebler, 28 Willoughby St.,
Brooklyn, N. Y.

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Moore, Heutz & Nash, 55 and 57 W. 26th
St., New York.

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Greater New York Florists' Association,
162 Livingston St., Brooklyn, N. Y.

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A. L. Young & Co., 54 W. 28th St., N. Y.
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Charles Millang, 55 and 57 West 26th St.
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P. J. Smith, 49 West 28th St., N. Y.

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Frank Millang, New York, N. Y.

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Traendly & Schenck, New York, N. Y.

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Badgley, Riedel & Meyer, Inc., New York
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A. Moltz & Co., New York, N. Y.

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Siebrecht & Siebrecht, 136 West 28th St.,
New York.

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Philadelphia

Leo. Niessen Co., 1209 Arch St., Phila., Pa.
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The S. S. Pennock-Meehan Co., 1608-13
Ludlow St., Philadelphia, Pa.

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Rochester, N. Y.

George B. Hart, 24 Stone St.

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In writing to Advertisers kindly mention Horticulture



E. H. HUNT, GREENHOUSE SUPPLIES, CHICAGO

FISHER Carnation Clips

Save carnation growers the expensive job of stringing their plants. With the Clip one-fourth the time is sufficient and the work is done better. No string to buy each season and the Clips will last a lifetime.

NOTICE THESE SIMPLE DIRECTIONS:— Stretch No. 18 galvanized wire lengthwise between the rows of plants using No. 10 wire for the two outside rows. Cut cross wires of No. 18 and fasten Fisher Clips on either end. Let two men walk on either side of the bench and quickly slip the Clips over the side wires and work is done till the plants are tall enough to need a second support, when proceed as before.

Prices Per 100, 60c; Per 1000, \$5.00

They are indispensable to quick work and furnish a better support than any other device now on the market

E. H. HUNT, 131 North Wabash Ave., CHICAGO

GENERAL AGENTS

Obituary

Louis Nadig.

Louis Nadig, florist, North Manchester, Ind., died suddenly on September 4, of Bright's disease. He was a Swiss, 44 years of age, and without relatives in this country.

John E. Haines.

John E. Haines, widely known as a carnation grower and hybridizer, died at his home in Bethlehem, Pa., on September 10, after a long illness of consumption. His age was 66 years.

Clement Denaiffe.

Clement Denaiffe, senior member of the firm of Denaiffe & Son, Carignan, France, and one of the oldest seed growers in Europe, died after a short illness on August 31. He was seventy-five years of age.

Adam Fischer.

Adam Fischer, formerly florist at the Soldiers' Home, Dayton, O., committed suicide on the night of September 13, at the home of his uncle, Michael Teufel, in Cincinnati. Despondency over rheumatism which prevented him from doing garden work was the motive for the act.

John Leavy.

John Leavy, florist, and one of the founders of Greeley, Colo., died on September 1, aged 80 years. He was born in Ireland, and located in New York in the early 60's, finally going to New Jersey, thence to Greeley. He frequently lectured before the State

Normal School. Three children survive him.

Charles A. Robinson.

The death is reported of Mr. Charles A. Robinson, 67 years of age, a member of the firm of C. N. Robinson & Bro., Baltimore, Md., dealers in farmers' supplies. He was engaged in business in Baltimore for the past thirty-five years, previous to which time he was, for five years, principal of the Forest Home Academy in Anne Arundel County. He is survived by five daughters and a son.

Joseph Lapeno.

All the Chicago wholesalers were kept busy last Monday making up floral emblems for "Little Pete," as Joe Lapeno was familiarly called. He has been a daily visitor to the market for the past twenty years and his death will be felt by many in the older houses who frequently employed him to help out with the Italian trade. Joe was taken to the County Hospital a few days ago, where he died Sept. 14th. He made his home with a sister on Ohio street and was about 45 years old. He had many friends in the trade who will miss him.

John R. Burfeind.

On September 11, John R. Burfeind, of the firm of John R. Burfeind & Son, Scarsdale, N. Y., died at his home in Scarsdale. He was about sixty years of age. At the age of seventeen he entered the employ of Chas. Ammann at 120th street and 7th avenue, New York, where he remained for 35 years, leaving there to become superintendent of the Thos. Watt estate at

Scarsdale. About ten years ago, after a service of over five years at the Watt estate, he engaged in business for himself. He leaves a wife and five children. His eldest son will continue the business.

Nicholas P. Reddy.

Nicholas P. Reddy, who had been identified with the florists' business in Fall River, Mass., for the past 40 years, died at his residence, 32 Laurel street, on Sunday morning, Sept. 17, following a brief illness. Mr. Reddy was born in Dublin, and learned the florist business at his home while still a young man. He came to Fall River about 40 years ago and was in the employ of the late Dr. Durfee for some time before starting in business on his own account. Because of ill health he turned his business over to his two sons about two years ago.

He is survived by his widow, Mrs. Mary E. Reddy, nee Keough, and by two sons and three daughters. The sons are Edward J. and John F. Reddy, and the daughters are Mrs. M. J. Logan, Miss Mary L. Reddy and Miss Jennie Reddy. The funeral was held at St. William's church on Wednesday morning.

PATENTS GRANTED.

- 1,002,247. Agricultural-Spray Composition, Carlton Ellis, Montclair, New Jersey, assignor to Ellis-Foster Co., a corporation of New Jersey.
- 002,276. Quack Grass Destroying Machine, John S. Johnson, Waukon, Iowa.
- 1,002,800. Seed-Distributor, William H. Beckett, Lanham, Md.

THE NEW MINERAL FERTILIZER

Will produce
MORE
and
LARGER
FLOWERS

and of better
color than any
plant food ever
put on the mar-
ket.

Contains all of the
original elements
of virgin soil



Will
DESTROY
all
INSECT
LIFE

that preys on
plants under
glass.

It is a plant food
and not a stimulant

The above cut shows hollyhocks, nine feet six inches high, with more blossoms and of better color than ever produced by any other fertilizer.
Write for catalogue and testimonials.

THE NEW MINERAL FERTILIZER CO. 19 EXCHANGE PLACE,
BOSTON, MASS.

ASTERS Hammond's Slug Shot

A Noticeable Station on the Central New England Railroad,
In Dutchess County, N. Y.

MR. BRUNDAGE TAKES MUCH PRIDE AND PLEASURE IN THE DISPLAY.

My Aster beds are a strip of ground along the railroad track of the Central New England. For years it has been my pleasure to have a grand show. The most troublesome annoyance which I have had is the **BLACK BEETLE** and the **STRIPED BUG**—these pests will skin the whole bunch if we let them alone, but we don't let them alone, for as soon as the plants are grown I just take **HAMMOND'S SLUG SHOT** and a bellows and go over the whole. **ON A STILL DAY DUST SETTLES EVERYWHERE.** Then when the blooms begin to open we give them another dose, and we have the flowers. This year we let them go and the bugs or beetles got a start and we started for them but they did us damage. Now for a good many years I have known **SLUG SHOT** and used it, and there is no use trying to raise flowers, fruit of vegetables without you watch them, because as sure as the sun shines you have bugs, lice or beetles which you must get rid of. Now on Cucumbers the **Striped Bugs** play havoc. You told me once to put some **SLUG SHOT** in water and sprinkle the rows. When that is done the Cucumbers grow. The Cherry trees will curl the leaves with lice; if you can blow **SLUG SHOT** over these and the **SLUG SHOT** sticks to the sticky mess which comes where these lice are and they do not spread.

Billings, N. Y.

Yours respectfully,

LUTHER BRUNDAGE.

Hammond's Paint and Slug Shot Works

Fishkill-on-Hudson, New York

To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

Use any form you choose but buy it of

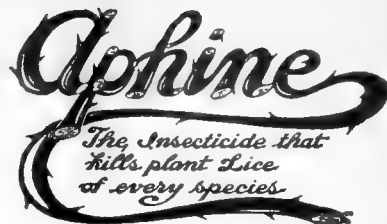
E. H. HUNT, 131 N. Wabash Avenue, Chicago

NIKOTEEN The most effective and economical material there is for spraying plants and blooms. **NIKOTEEN** Skillfully extracted from leaf tobacco, and carefully refined, it is clean and easy to apply. **NIKOTEEN** Does the work when vaporized either in pans, on pipes, or over a flame. Full Pint Bottles, \$1.50.

NIKOTEEN APHIS PUNK

Specially prepared for fumigating closed houses. It vaporizes the Nicotine evenly and without waste. Nothing keeps a house free from Aphis so cheaply.

Price \$6.50 per case of 12 paraphrased boxes. All Seedmen.



Just the remedy for the black aphids on chrysanthemums—red spider and thrips on carnations—green fly on roses—mealy bug on gardenias and crotons—scale on ferns, palms and other decorative stock.

\$2.50 per gallon, \$1.00 per quart.

FUNGINE

Fungine has no equal for carnation rust, rust on chrysanthemums and mildew on roses.

\$2.00 per gallon, 75c. per quart.

There is but one convincing way for you to become familiar with the merits of Aphine and Fungine, and that is—test them out yourself—it will prove worth your while.

MANUFACTURED BY

APHINE MANUFACTURING COMPANY
MADISON, N. J.

Imp Soap Spray

Clean and odorless. Forms invisible films. Non-corrosive. Usual effective strength, one to thirty-two.

Single gallons, \$1.50
In barrels, \$1.00

Eastern Chemical Company
Pittsburg Street
BOSTON

Wilson Plant Oil & Fertilizer Company
150 Nassau Street, NEW YORK CITY
Horticultural Supplies

Write for our special Catalogue

Cocoanut Fiber Soil

is being sought after by all growers. Cover your lawns this fall and next summer you can have a green one.

20th CENTURY PLANT FOOD CO.,
27 Ocean St. -Beverly, Mass.

Tobacco Paper "NICO-FUME" LIQUID

IS THE
**STRONGEST,
BEST PACKED,
EASIEST APPLIED.**

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

**Furnishes the
Most Nicotine for the Money**

... Manufactured by ...

THE KENTUCKY TOBACCO PRODUCT CO.,

Louisville, Ky.

OVER 40% NICOTINE

By far the
CHEAPEST.

JUST NOTE PRICE!

Pint.....	\$ 1.50
½ Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

FOR "POT LUCK" TRY US... HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

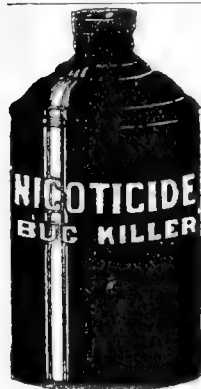
WORLD'S LARGEST MANUFACTURER

WRITE FOR CATALOGUE AND DISCOUNT

A. H. HEWS & CO., Inc.

Main Office and Factories
CAMBRIDGE, MASS.

Pearson Street,
LONG ISLAND CITY, N. Y.



**The Best
Bug Killer and
Bloom Saver**

For PROOF
Write to

P. R. Palethorpe Co.
OWENSBORO, KY.



ALL THE CLAY
FOR OUR
Florist's Red Pots
is prepared by passing
through a screen 1600 meshes
to the square inch. If in a
hurry for pots, order from us.
THE PETERS & REED POTTERY CO.
Zanesville, Ohio

NEWS NOTES.

Seneca, Kan.—August Kramer has purchased the Seneca Nursery.

Woonsocket, R. I.—A nursery has been started at 130 Summer street by the John L. Hayes Co.

Dauphin, Man., Can.—W. J. Mansfield and C. F. Blackadar have purchased the Dauphin Nurseries and Greenhouses.

Cleveland, O.—The McCallum Co. will open a wholesale cut flower and florists' supply house at 421 High avenue on Sept. 30. Wm. Q. Potter will be manager.

Des Moines, Ia.—A short but severe hail storm on September 6 broke about one-third the glass in the city's greenhouse at Union Park and destroyed all the glass at the houses of Foster Bros. A. L. Bebinger. 18th and Walnut streets lost about 6000 feet.

North Tonawanda, N. Y.—Seven acres of land on Wheatfield street have been purchased by the King Construction Co. upon which they will immediately commence the construction of buildings to replace those destroyed by fire last spring on Thompson street.

DREER'S "Riverton Special" Plant Tub



No.	Diam.	Each	Dox.	100
10	20 in.	\$1.45	\$16.00	\$130.00
20	18 in.	1.30	14.00	115.00
30	16 in.	1.00	11.25	92.00
40	14 in.	.85	7.00	56.00
50	12 in.	.45	5.00	40.00
60	10 in.	.38	4.00	32.00
70	8 in.	.30	3.50	28.00

Manufactured for us exclusively. The best tub ever introduced. The neatest, lightest and cheapest. Painted green, with electric welded hoops. The four largest sizes have drop handles.

HENRY A. DREER, Seeds, Plants, Bulbs and Supplies, 714 Chestnut Street, Philadelphia, Pa.

1000 READY PACKED CRATES

STANDARD FLOWER POTS AND BULB PANS

can be shipped at an hour's notice. Price per crate:

2000 1½ in.	@ \$6.00	500 4 in.	@ \$4.50
1500 2 "	" 4.88	450 4½ "	" 5.24
1500 2¼ "	" 5.25	320 5 "	" 4.51
1500 2½ "	" 6.00	210 5½ "	" 3.76
1000 3 "	" 5.00	144 6 "	" 3.16
800 3½ "	" 5.80	120 7 "	" 4.20
		60 8 "	" 3.00

HILLFINGER BROS., Pottery, Fort Edward, N. Y.
August Rolker & Sons, 31 Barclay St., N. Y. City Agents.

OUR SPECIALTY—Long distance and export trade.

Syracuse Red Pots

"A little pot is soon hot," likewise a thin pot. This will save you fuel! Our pots are the thinnest and toughest owing to the superior quality of the clay.
New price list on application.

Syracuse Pottery Co., SYRACUSE, N. Y.

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts.,

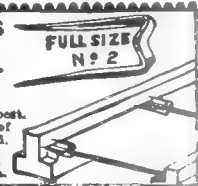
Washington, D. C.

Holds Glass Firmly

See the Point AT
PEERLESS

Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.

HENRY A. DREER,
714 Chestnut St., Phila., Pa.



PATENTS

Trademarks and
Copyrights

Send your business direct to Washington. Saves time and insures better service. Personal attention guaranteed. Twenty-five years' active service. SPECIALTY: "Working on the Failures of Others."

SIGGERS & SIGGERS

PATENT LAWYERS


Box 9, National Union Building
Washington, D. C.



Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

In ordering goods please add "I saw it in HORTICULTURE."

What the Users say



KROESCHELL BOILER
Half the Coal and Half the Work.

"Your No. 13 boiler is carrying 25,000 sq. ft. of glass and I can keep it at 60 degrees in the coldest weather without any trouble. I have three other types of boilers also heating a range of 25,000 sq. ft. of glass, but the No. 13 Kroeschell Boiler **ONLY TAKES HALF THE COAL** and half the work to get the same results."

J. G. FRISZ, Vincennes, Ind.

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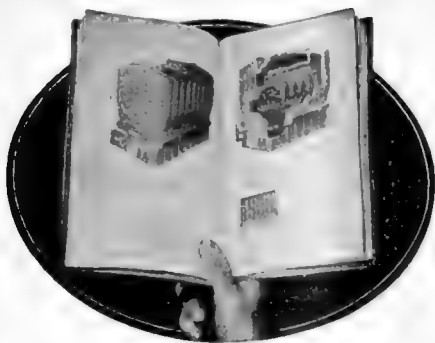
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HORTICULTURE

Vol. XIV.

SEPTEMBER 30, 1911

No. 14



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***Florence Denzer.** Pure white. Oz., 15 cts.; ¼ lb., 50 cts.; ½ lb., 85 cts.; lb., \$1.50. **Le Marquis.** This is the same color as Princess of Wales, violet; has very large flowers. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., \$1.25; lb., \$2.00.

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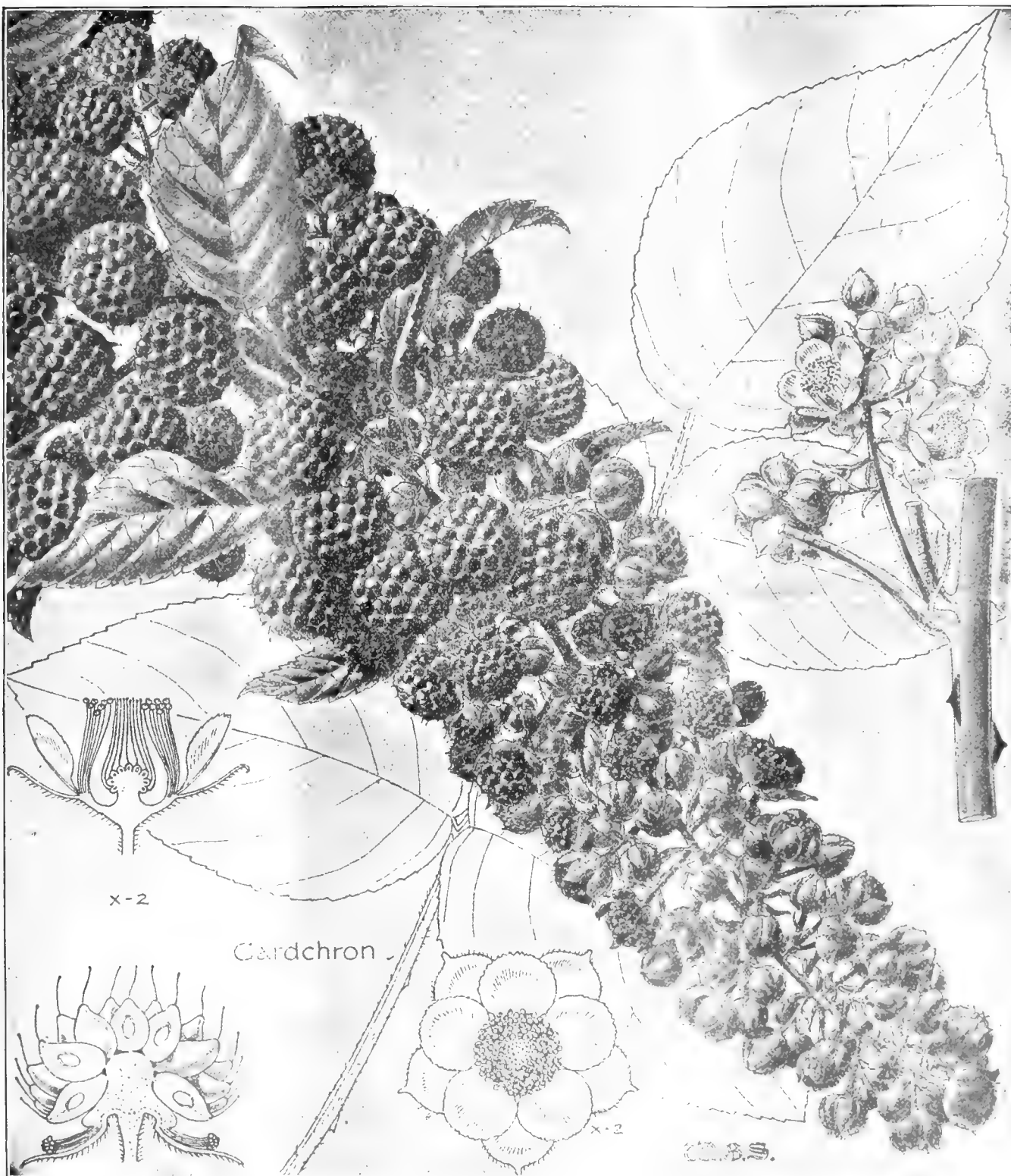
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A New Berry



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C.B.S.

At the vegetable show in the Massachusetts Horticultural Hall, last week, Mr. Bayard Thayer of South Lancaster, Mass., was awarded honorable mention for cut sprays of a new berry from China, named *Rubus innominatus*, which promises to be a useful autumn fruit and may be of great value to the breeder. The fruits, which are borne in large, terminal thyrseoid panicles 18-30 inches long under favorable conditions, are red or orange-red with a black dot in the centre, of medium size and agreeable sub-acid flavor. The plant is a vigorous grower, making shoots 6 to 8 feet long

in a season. The shoots are densely clad with short, velvety pubescence and have relatively few scattered prickles. Leaves large, 3-5 foliolate, dark green above, covered or suffused with greenish-white. The flowers are insignificant, but in September, when in full fruit, the plant is exceedingly ornamental. *Rubus innominatus* is one of my recent introductions from China to the Arnold Arboretum where it has survived unprotected the last two winters outside.

E. H. WILSON.

Arnold Arboretum.

Seasonable Notes on Culture of Florists' Stock

AZALEAS

Just as soon as you get the new importations from Europe unpack and give each plant that has a dry root ball, a dipping in a tub of water long enough to thoroughly saturate the ball; don't overlook this for it is very important in starting your azaleas after they have been boxed up from three to four weeks. Pot them into as small pots as possible, using loam and leaf mold in equal parts, with enough sand to let the water pass freely. See that there is good drainage provided, and be sure to pot firmly. For a few days place them in a house that is shaded and keep rather close. Give a daily spraying and gradually let them get used to the sun and when they will stand full sun place them in a cool house with plenty of air. The early varieties, such as Apollo, Deutsche Perle, Simon Mardner, etc., that are wanted for Christmas blooming can be kept in a temperature of about 50 degrees as it helps the buds to develop gradually. It takes from 6 to 8 weeks to force them into flower with a temperature from 60 to 65 degrees.

FORMOSA LILIES

These lilies are very useful commercially and should be more grown, for they produce flowers of a fine type, with excellent texture, which makes them ideal for a good many uses. The potting soil should be a good fresh loam, to which has been added a fourth of some old and well rotted manure. One good watering should carry them over until the bulbs are well rooted. Place them in a frame where they will be all right for some weeks to come. These lilies are very variable in growth; while some will be only coming through the soil, others will be 8 or 10 inches, or more in height. These earlier ones should be picked out and given a place as near the glass as accommodation will permit in a house of about 60 degrees at night and they will be useful during January and February when flowers are not so plenty. Keep down the aphid by fumigating frequently but moderately once a week. When the buds show give them some liquid manure once a week.

IRISES

The Iris family includes a large number of beautiful kinds. While they will grow in any good deep loamy ground that has a cool moist subsoil, it is well to use some care in the preparation of the iris bed. Give them a good start by enriching the soil with such fertilizers as well-decomposed manure, bone meal, etc., that has been well pulverized and deeply dug in and in a fully exposed sunny situation. Fall-planted irises produce better flowers the first season than if transplanted in spring. Irises increase rapidly and should be lifted and divided and replanted every three or four years. They can be planted from 12 to 18 inches apart each way. A collection of German, English and Japanese iris will give a succession of flowers of exquisite colors and ferns.

POT PLANTS FOR CHRISTMAS

There is every reason to believe that a larger pot plant trade than ever will be done this coming holiday season and now is the time to figure on what you will need. If you are short of stock now is the time to buy. You will find the best and most reliable dealers by a glance through the advertising columns of HORTICULTURE. All such plants as araucarias, Begonia Lorraine, Jerusalem cherries, lilies, Roman hyacinths, paper-white narcissi, poinsettias, Erica melanthera, primulas, azaleas such as Firefly, Mme. Petrick, Deutsche Perle, Simon Mardner, Apollo and Vervaeana, zonal geraniums, ferns, palms, etc., should have the closest attention from now on. See that the ventilation has careful management for the outside condition of the weather is uncertain. At this period of the year generally speaking, all plants need very careful watering. See that they are kept clean by proper fumigation and occasional sponging of all decorative plants.

RAMBLER ROSES

Those who grow their ramblers in the field may lift them any time now, taking care to preserve as many of the roots as possible. Use any good rose soil for potting, pot firmly and give them good drainage. Place the plants anywhere outside for the present and give them a thorough watering. The earlier you attend to these plants now the better they will be, for they will have more time to form roots before hard weather sets in. There is no need for pruning the wood back at this time. Those that are pot-grown all summer should by this time have completed their growth. Decrease the water supply to assist the wood in becoming ripe, but don't let them become dust dry as this would shrivel up the wood rather than harden it. In two or three weeks or when the wood is well ripened they should be laid on their sides, as the heavy rains would have a tendency to keep the wood soft.

VARIEGATED VINCAS

These plants that have been planted out should now be lifted and potted. A 4 or 5-inch pot is a very good size. Use a good loam with a third of well-rotted manure. Pot quite firmly and then give enough water to penetrate the soil through. If you have a bench in a cool house where they can stand close to the edge so their long growths can hang down, this will make good quarters for them for the winter and they will grow into splendid and very useful plants for vases and veranda boxes, by next spring.

John J. M. Farrell

Mr. Farrell's next notes will be on the following: Antirrhinums; Bulb Planting Outside; Care of Vandas; Fall Care of Violets; Treatment of Nymphaeas; Rooting Cuttings of Hardy Shrubs

Fruit and Vegetables under Glass

STRAWBERRIES

The hot weather of August and early September was very trying to strawberry plants growing in pots, and in many cases growth was not so rapid as it has been in the last few weeks. Cool days and evenings with heavy dews are welcome by these moisture-loving plants. Every encouragement must be given them now they are growing and there are yet a few weeks left for them. Pick up the surface soil periodically removing all dead or useless foliage and runners. Now the pots are filled with roots, feeding with quick-acting manures (liquid cow or sheep manure is fine), and assist the plants to build up a good plump crown which is essential if good berries are to be had later. Never allow the pots to become real dry. Syringe the plants morning and afternoon in fine weather taking care that they are dry again before six o'clock.

VINERIES

Vineries which have had a crop cleared off should be thrown wide open, any shading which may have been used on the glass removed and the vines given every opportunity to ripen up their wood. Any growths which have been allowed to "run" to encourage root action can now be shortened back, as also can laterals which bore no fruit. By so doing the base eye is plumped up and this is what we look for when pruning on the short-spur system. Many good eyes, per force, have to be pruned away and this is where advocates of the long-spur system try to get one on us, but by shortening some of the laterals back now a good base eye is obtained. Should the foliage be at all dirty it is a good plan to syringe with some approved insecticide weekly. This will greatly facilitate the winter cleaning. As long as the foliage lasts hose well every morning in fine weather. This helps to beat off insect pests and also encourages the buds to swell.

PEACHES AND NECTARINES

Any new trees which it is contemplated to plant or use as pot trees should be selected and ordered at once, if this has not been already done so. In previous issues HORTICULTURE has given space to listing varieties suitable for early and late crops and also a combination for succession in one house. These lists have been compiled after watching and studying a quantity of varieties growing under ordinary greenhouse conditions in America. Yet there may be meritorious ones omitted, but those mentioned will be found good enough to fill the bill in their various classes. Where pot trees are grown, pots and potting material should be got in readiness. Half-decayed man, lime rubble and charcoal constitutes a good mixture. A little lime rubble mixed in with the borders as root pruning and renovating is proceeding is good. Procure and store all possible of this valuable asset.

MELONS FOR CHRISTMAS

Melons sown September 1st will now be established in the beds. Keep a moist atmosphere and syringe

twice daily on all fine days. This is the greatest preventive against red spider which later on will be troublesome, if allowed any leeway, when more fire heat has to be used. All sowings which are made after this should be grown throughout in pots.

MUSHROOMS

Many beds will have been made up already, but by proceeding at once there is plenty of time to have one bearing for Christmas. Get as much fresh horse manure from the stables as possible at one time, so that your heap is accumulated in a few days, which is an advantage as it cures evenly. This heap should be placed under cover in a cool place and spread out to a thickness of one foot and turned over each morning and night, taking out any long straw as you proceed. This will help the manure to dry a little and also even the heating properties. Each day the manure will become quite hot and in turning so much ammonia will be lost until a uniform temperature is maintained. Probably it will take a week or ten days to attain this stage. Experience is the only teacher as to when a bed is ready to be made up, but look for the manure to be about the same each time of turning. Before transferring to benches add a little fine soil to the manure which is a preventive of over-heating. Make as firm as possible and finish with an even surface. By means of a proper thermometer watch the temperature of the bed gradually rise—if properly made it will touch 100 or 110 and then gradually recede. When it has gone down to 85 or 80 insert the spawn, breaking the bricks into pieces about the size of a small hen's egg and press the manure firmly around each piece. In about a week or ten days when the temperature has gone down to about 70 cover the whole surface of the bed with about an inch and a half of virgin soil and press gently down. Keep a moist atmospheric temperature of 55 and in about six weeks a first cut should be made.

WINTER LETTUCE

Winter lettuce will now be growing nicely in the frames. Keep the surface soil well cultivated and a sharp look-out for caterpillars and other insects. A fine spray over mornings and early afternoons will be beneficial. Keep protection handy in case of sudden frost coming down. Successive sowings for growing on in vegetable houses can be made at intervals. Keep the seedlings near the glass and give plenty of air.

BEANS

Dwarf or bush beans are appreciated through the winter months and are easily grown in pots or benches. The latter is the most profitable, finer beans being produced with less trouble. Fill the benches with good rich soil and scoop out the rows an inch deep and eighteen apart; this allows for a double row to be sown. Insert the seeds singly, about two inches deep. As the seedlings come through draw the soil about them. Syringe well to keep down spider and maintain a night temperature of 55 to 58, with the usual advance by day. By making a sowing every week or ten days a supply can be kept up the winter through.

George H. Benson

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pot" doesn't it? It is up to the florist to keep ahead of the backyard amateur. If he can't produce something which the latter cannot produce and a better and more saleable quality, he must take the consequences. Long live the "improved backyard" and if it did nothing more than to force the straggling tailenders in the florist procession to "get a move on" it has certainly served a very useful purpose not exactly contemplated by its promoters.

About exhibition reports

The vegetable growers of New England have won the congratulations of the profession at large by the superb exhibition of vegetables staged at Horticultural Hall, Boston, Mass., last week. It was a vast and comprehensive display of the choicest products of the vegetable garden, grown to perfection by expert gardeners despite the almost uncontrollable drawbacks of the worst season in many years. Again the superiority of the Lenox gardeners has been demonstrated in the arrangement of a splendid vegetable display and after these repeated demonstrations of their abilities in this line they must be recognized as about invincible. One objection we would submit in regard to the judges' report in this as in very many other shows is the failure to record the names of winning varieties under the classes for "any other variety." Recording and publishing the names of growers winning first, second and third in the standard varieties listed in the schedule is all right and necessary but it carries little or no educational value. In classes where unlisted and often obscure varieties are pitted against one another, however, there is much to be learned as to comparative qualities which is, of course, open to the observant visitor but is lost to the vast number of interested persons who were not present, unless noted by the judges. Without such comparative trials many worthy varieties not yet widely known or generally grown would often be left in undeserved obscurity and we believe it is a great mistake to omit mention of them in the prize reports.

An apparent injustice

Last year and the year previous, the U. S. custom house authorities at the various ports of entry collected \$2.50 per thousand on all hyacinth bulbs imported to this country during that time. It then came to light that the tariff law had been misinterpreted by the collectors and that according to the tariff law the duty should be only fifty cents per thousand and under this latter figure hyacinths are being admitted this year. It would seem reasonable to expect that the government would at once refund to the importing florists and others the \$2.00 per thousand bulbs which had been illegally imposed. This rebate, however, it seems can only be collected by those importers who entered their goods under protest through an attorney with an agreement to give up fifty per cent of the amount refunded to the attorney in case of a successful outcome for the protest. So it stands, under the position which the government assumes, that all importers of these bulbs who, in good faith, paid the duty demanded, without protest, have no recourse and those who did enter a protest will get their money back, but are obliged to give half of the refunded money to the lawyers. To the unprejudiced observer it does appear that the government has in this instance been taking an unfair advantage of a technicality. As a matter of simple justice the excess money which, it has been acknowledged, was exacted in error should, as it appears to us, be at once returned in full to the people to whom it rightfully belongs.

Crops from improved backyards
 A complaint comes from a western city that the exploitation of the "improved backyard" idea in that neighborhood had resulted in the bringing of a lot of amateur florists whose consignments of asters and other flower garden products to the wholesale markets had of late materially contributed to the demoralization of established florists on these things. Looks like "a tempest in a tea

PROVIDENCE WHOLESALE FLOWER MARKET, INCORPORATED.

Articles incorporating the Providence Wholesale Flower Market were filed by Alexander Macrae, John A. Macrae and Joseph Kopelman, all of Providence, R. I., with the Secretary of State, on September 27, and they were granted a charter authorizing them to engage in the wholesale and retail flower business in accord with the General Laws of that state. The capital stock of the concern is \$5,000, divided into shares of \$25 each. The show and salesrooms on Washington street are nearly completed and the doors will be thrown open to the trade on October 1.

The provisions of the charter granted are as follows:

Said corporation is constituted for the purpose of engaging in the business of raising, growing, purchasing or otherwise acquiring, holding, owning, mortgaging, selling, leasing, assigning, transferring or otherwise disposing of, investing in, trading in, or dealing with any and all kinds and varieties of trees, shrubs, vines, plants, flowers, seeds, or any other goods, wares or merchandise whatsoever;

Of manufacturing, purchasing or otherwise acquiring, holding, owning, mortgaging, selling, leasing, assigning, transferring or otherwise disposing of, investing in, trading in, or dealing with any and all kinds of florists' supplies, tools or any other goods, wares, or merchandise whatsoever;

Of carrying on generally a wholesale and retail business in any and all of the above articles;

Of owning, leasing or otherwise acquiring, holding, leasing, renting, selling, mortgaging, or otherwise disposing of, lands, tenements, buildings or stands of whatever nature or disposition, for any or all of the above purposes, or for purpose or purposes incidental thereto.

And this corporation shall have the power to acquire the good will, rights, property and effects of all kinds, and to undertake the whole or any part of the liabilities of any person, firm, association, or corporation on such terms and conditions as may be agreed upon, and to pay for the same in cash, stocks, or other securities of this corporation or otherwise;

To apply for, purchase or otherwise acquire and hold, use, sell, assign, mortgage or otherwise dispose, and grant licenses in respect of and otherwise turn to account all and any trade marks, trade names, inventions, formulas, and processes used in connection with its business, or held, owned, or controlled by it;

To purchase, lease or otherwise acquire and to sell, mortgage, or in any other wise dispose of all or any horses, wagons, motor wagons, or other vehicles of whatever nature and description for use in the business or incident to the business of this corporation; to enter into, make, perform and carry out contracts with any person, firm, or corporation relating to any matter of business of this corporation in which it may be interested; to do all and everything necessary or convenient for the accomplishment of any of the purposes or objects and powers above mentioned.

S. A. G.

The John Deere Plow Co. of Baltimore, will shortly have a large increase in their floor space, the property, 213 West Pratt street, having been purchased with a view to the destruction of the present building now located at that address, and the erection of one of concrete, stone and pressed brick, five stories high, and the same used in connection with their present quarters which adjoin. This new building will measure 38x150 feet and will be equipped with electricity, steam heat and elevator service.

McHutchison & Co., the New York plant importers, report the third shipment of azaleas already in and it is expected that by next week the entire importation will have been received. This is considerably earlier than ever before.

A PERENNIAL BORDER.



Superintendent Pettigrew of the Boston Park System has added a much-appreciated feature to the attractions of Franklin Park in the form of a perennial border. This border, as shown in part, in our cover illustration this week, is serpentine in outline, skirting the edge of a rolling meadow for a distance of 1400 feet, and set off by a background of trees and close shrubbery, the latter not yet grown to its full intended effect.

The border is not literally a perennial border, for much of its radiant color effect is attained by the use of Countess of Elmsmere petunias, cannas, antirrhinums, gladioli, pentstemons, dahlias, cosmos, salvias, poppies, verbenas and other annual material, but as the perennial plantations attain their maximum growth the necessity for annual fillers will be proportionally lessened. As seen in the picture presented—which was taken in late September, the hardy asters are in the height of their glory. Of these so-

called "Michelmas Daisies," Mr. Pettigrew has acquired a magnificent collection, including all the novelties from foreign sources, and in another year they will make a magnificent display. None, however, can excel our own *Aster Nova Angliæ*, with its rich outburst of purple and amethyst. Heleniums, chelones, rudbeckias, helianthus, boltonias, phloxes, veronicas, violas and lilies are among the most brilliant factors in the autumn show. The spring outburst is ushered in by masses of early and late flowering tulips, narcissi, etc., and peonies, irises, campanulas and other spring and summer favorites follow along in brilliant array, there being at all times an abundance of seasonable bloom. The masses of color are boldly blended and contrasted, and the public have displayed much interest in this excellent object lesson in the art of garden making.

Next year some lily ponds and Victoria pools are to be constructed in the foreground meadow.

A MODEL ESTATE.

A few hours spent on the estate of Mrs. J. B. Converse, Greenwich, Conn., known as "Stanwich House" under the able guidance of Wm. Graham, superintendent, proved most interesting and pleasurable. Mr. Graham studied his work at the Wayside Farms and Conservatories of Milton, Mass., under the skilful training of Geo. M. Anderson. After completing his apprenticeship there, when a lad of 17, he took the selling end of the business, and after five years became foreman. Later he took charge of the rose growing establishment of H. F. Crawford & Co., staying with this firm for three years or until the dissolution. He then accepted his present position where he has succeeded in converting a run-down farm into a modern country estate which

at the present time can equal any in the Greenwich section although it is only four years old. On the day of the writer's visit Mr. Graham was busy superintending the laying out of a large rose garden, and dynamiting numerous boulders preparatory to converting a piece of marshy land into a lake and finally to become a formal garden. There is no glass on the place yet but plans are already out for a range after the bulk of the landscape work is completed. The vegetable garden is laid out artistically. On each side of the white sand-stone walks are beds of herbaceous flowers. In the center is a clipped evergreen flanked by crescents of salmon geranium. The fruit garden is a model. The original apple trees have been pruned into shape and sprayed back to life and now are hanging with fruit of good quality.

CLUBS AND SOCIETIES

WESTERN DAHLIA AND GLADIOLUS SOCIETY.

The initial meeting of the Western Dahlia and Gladiolus Society was called to order at the Denison Hotel, Indianapolis, Ind., at 1.30 P. M., Tuesday, September 26th, President Barnes of Spencer, Ind., in the chair. The exhibition at Wiegand's dividing the attendance adjournment was made to that establishment to meet at 8 P. M. Director E. E. Stewart presided at the evening meeting in the absence of President Barnes, who was called home because of illness in the family. Homer Wiegand was made secretary pro tem. Eleven new members were recorded, which included prominent growers in the middle west. President-Elect Vincent of the S. A. F. wrote expressing regret at his inability to attend and asked that his name be recorded as a member. Committees were appointed to take up in the immediate future the most pressing work of the new organization—first, on co-operation for the Chicago show in August; second, on nomenclature; third, on premiums and specials for the Chicago meeting. A rising vote of thanks was extended A. Wiegand & Sons for their courtesy in supplying exhibition space, assistance in staging and entertainment of the officers. After further discussion and examination of exhibits the convention adjourned subject to call of President Barnes.

As early as 6 A. M. Messrs. Stewart, Barnes and others representing various exhibitors were on hand at the big Wiegand conservatory on North Illinois street. On account of late arrival of some exhibits the staging was somewhat delayed; however, the exhibition was ready by noon. President Barnes supplied something like 5,000 blooms of dahlias in many types and forms. W. E. Stewart staged seventy-five varieties of gladioli which came through in fine condition and showed up well considering the lateness of the season. One of his new ones, somewhat resembling Mrs. Frances King, is called Michigan. He also showed President Taft and Golden Queen. Vaughan's seed store sent from Western Springs, dahlias and gladioli in about thirty kinds. The latter included Mastodon and Chas. L. Hutchinson. Wiegand & Sons had advertised the event in the daily papers and the attendance of the general public and amateur growers of these flowers was good both in afternoon and evening.

H. L. WIEGAND.

CHRYSANTHEMUM SOCIETY OF AMERICA.

President Elmer D. Smith announces the following committees to examine new chrysanthemums for the ensuing year:

Boston—Wm. Nicholson, chairman; James Wheeler, Alex. Montgomery. Ship flowers to Boston Flower Exchange, C. Park street, care of chairman.

New York—Eugene Dailedouze, chairman; Wm. H. Duckman, A. Harrington. Ship flowers to New York Cut Flower Co., 55 26th street, care of chairman.

Philadelphia—A. B. Cartledge, chairman; John Westcott, S. S. Pen-nock. Ship flowers to A. B. Cartledge, 1514 Chestnut street.

Cincinnati—R. Witterstaetter, chairman; James Allen, Henry Schwarz. Ship flowers to chairman, Jabez Elliott Flower Market, care janitor.

Chicago—J. B. Deamud, chairman; E. A. Wood, T. E. Waters. Ship flowers to J. B. Deamud, 51 Wabash avenue.

Shipments should be made to arrive by 2 P. M. on examination days to receive attention from the committee. Must be prepaid to destination and an entry fee of \$2 should be forwarded to the secretary not later than Tuesday of the week they are to be examined, or it may accompany the blooms. Seedlings and sprouts are both eligible to be shown before these committees provided the raiser has given them two years' trial to determine their true character. Special attention is called to the rule that sprouts, to receive a certificate, must pass at least three of the five committees. The committees will be in session to examine such exhibits as may be submitted on October 7, 14, 21 and 28, and November 4, 11, 18 and 25.

CHAS. W. JOHNSON.

Morgan Park, Ill.

TEXAS NURSERYMEN'S ASSOCIATION.

The eleventh annual meeting of this association was held at Waco, Texas, on September 12 and 13. There were many interesting papers and discussions. Officers were all re-elected, as follows

President, J. R. Maysew, Waxahachie; vice-president, J. R. Downing, Wichita Falls; secretary-treasurer, J. S. Kerr, Sherman.

A vote was passed approving of the establishment of a U. S. parcels post.

A resolution approving the proposed national inspection law, with the exception of paragraph 7, was adopted. A committee composed of C. C. Mayhew, E. W. Kirkpatrick and R. H. Bushway was appointed to confer with the committee from the American Association of Nurserymen, relative to the revision of this law as regards paragraph 7.

The next meeting place will be determined at the Farmers' Congress in July.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

Public notice is hereby given that Loyd C. Bunch, of Fredonia, Kansas, offers for registration the Begonia described below. Any person objecting to the registration or to the use of the proposed name, is requested to communicate with the Secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

Description.—Sport of Feastii, habits of growth etc., identical with Feastii with the exception that the edge of the leaf is crested or fluted around the entire circumference of leaf.

Name, "Feastii Bunchii."

H. B. DORNER, Secretary.
Sept. 21, 1911.

CONNECTICUT HORTICULTURAL SOCIETY

At the dahlia show in Hartford, last week, the following special prizes were awarded:

C. H. Sierman prizes, \$15, for best specimen dahlia plants in pots not exceeding ten inches in diameter—best ten plants, \$10, J. A. Weber, Hartford; best five plants, \$5, A. Righanzi, Hartford.

Arthur T. Boddington prizes, \$10, for collection of vegetables, twelve species—First, \$6, J. A. Weber, Hartford; second, \$4, John F. Huss, Hartford.

Henry A. Dreer prizes, \$5, for three blooms of dahlias Rheinkönig and Philadelphia—First, \$3, William F. Jost, East Haven; second, \$2, not awarded.

Pittsburg Steel Company prizes, one ten-rod roll of special poultry and garden fencing (value \$6), for best collection of fruit, George W. Smith, Melrose.

O. V. Zangen prize, \$5, for best vase of twenty-five cactus dahlias to consist of at least twelve commercial varieties—John H. Slocombe, New Haven.

In the regular prize list John H. Slocombe, J. F. Huss, J. A. Weber, N. Nelson, Geo. W. Smith and W. F. Jost figured among the winners of first premiums.

RHODE ISLAND HORTICULTURAL SOCIETY.

The Rhode Island Horticultural Society held an interesting meeting in the public library at Providence, Wednesday evening, September 20. A new seedling decorative dahlia originated by Harry V. Mayo of Bristol and named Nettie V. Mayo, was on exhibition at the meeting and on the recommendation of the committee on awards the society voted a certificate of merit. It has long, incurving petals lemon yellow with carmine tips. The flower was first exhibited at Newport a year ago this fall where it was awarded a premium. The subject of discussion for the evening was "Growing and Packing of Fruit," by A. Warren Patch of Boston. The society voted to become a member of the State League of Improvement Societies of Rhode Island. At the next meeting a lecture upon "Flowering Bulbs for the Garden and Home" will be given by W. N. Craig of North Easton, Mass., followed by a discussion by the members. S. A. G.

GOOD TIME COMING

Acceptances have been received from the florists' clubs of Milwaukee, Detroit, St. Louis and Cincinnati to the celebration on Oct. 5th, of the 25th anniversary of the organization of the Chicago Club. The large dining room adjoining the club room at the Union Restaurant will be used for the banquet and will be fittingly decorated. F. F. Benthey, oldest living past president of the club will be toast-master and Elmer D. Smith of Adrian, Mich., will read a paper on Chrysanthemums.

EXHIBITION GROUP OF VEGETABLES, FRUIT AND FLOWERS.

By Messrs. Webb, at Shrewsbury Show, England.



VEGETABLE GROWERS' ASSOCIATION OF AMERICA.

The concluding session of this Association at Boston last week maintained the interest evidenced in the opening meetings and the visitors were especially enthusiastic over the great vegetable show put up by the Massachusetts Horticultural Society.

That present railroad rates discriminate unfairly between fruit and vegetable growers to the advantage of the former, and against the short as opposed to the long haul was contended in the discussion on this topic. Much evidence on the point has been contributed to the secretary, and it will appear in a report shortly to be presented to the interstate commerce commission, with a petition that conditions be amended.

Another matter that occupied the attention of the association was the standardization of packages. There is a growing tendency among vegetable men to forward their goods in free non-returnable packages.

VEGETABLE SHOW AT BOSTON.

The vegetable growers of Boston and contiguous territory certainly put up a magnificent exhibition, under the auspices of the Massachusetts Horticultural Society at Horticultural Hall, Boston, last week. Every available corner in the big building was utilized and in the majority of classes, all three prizes were awarded and in many classes there were a large number of entries besides. Ed. Jenkins of Lenox, Mass., took the big prize for best collection, Frederick Mason winning second place and Allen Jenkins third. The list of winners in the regular classes was legion and space will not permit our recording them here. Honorable mention was given to the Johnson Seed Potato Co. for new potato Brunswick,

J. E. Murphy for new potato Canasota; V. Buitta for collection of unusual vegetables and Bayard Thayer for *Rubus innominatus*, a picture of which appears elsewhere in this issue. David Lumsden was given a certificate of merit for new seedling orange-fleshed melon. On account of the great interest shown by the public in this exhibition it was kept open until 10 o'clock Sunday night.

AMERICAN ROSE SOCIETY.

Mrs. Burke-Roche of Newport, R. I., authorizes the offering of a prize of \$50 for a new yellow rose—to be competed for any time after June, 1912. The said new rose to resemble as nearly as possible in color the Marshal Niel but with a strong upright stem. Another prize which will be coming along soon is the Mrs. Gertrude M. Hubbard Gold Medal to be awarded once in five years. This medal is to be given to the originator of the best rose of American origin introduced within five years—the year will be 1914.

An executive meeting will be held in New York City, Sept. 28th, to consider arrangements for the Detroit exhibition. This meeting will be followed by a conference in Detroit to determine upon the detail work. The Rose Society will ask its friends to subscribe a guarantee fund so that the Society may be able to offer an excellent list of prizes, and be assured of financial support. The Rose Society has passed the \$3000 permanent investment fund from its life membership fees, this fund is invested in guaranteed mortgages of New York, the securities are those in which the State Savings Banks are authorized to invest.

BENJAMIN HAMMOND,

Secretary

Fishkill-on-Hudson, N. Y.

CLUB AND SOCIETY NOTES.

The executive committee of the American Sweet Pea Society will hold a meeting in Boston, Mass., on October 18 to 22.

On account of the lateness of dahlias this year the Dahlia Show of the Nassau County Horticultural Society is postponed to Oct. 11th.

The Tenth Annual Convention of the National Nut Growers' Association will be held at Mobile, Ala., on October 5, 6, 7, 1911, with headquarters at Battle House.

The Florists' Club of Philadelphia will celebrate its 25th anniversary next Tuesday evening, October 3, with a dinner. It will be election night, too. *Verb sap.*

Growers who propose to compete for prizes at the 1912 spring shows should take a look at the fancy grade hyacinths and other bulbs at A. T. Boddington's specially selected for the purpose of exhibition forcing.

John J. Butler, a wellknown gardener of Newport, and for many years an active worker and former secretary of the Newport Horticulture Society, has been appointed a member of the Newport Park Commission by Mayor Boyle. Commissioner Butler succeeds H. W. H. Powell who declined a re-appointment. It has been the custom of Mayor Boyle to appoint a gardener on the park commission whenever a vacancy occurs and the selection of Mr. Butler is in keeping with his established policy. Mr. Butler attended the first meeting of the commission and was placed on two committees.

Obituary

General Samuel C. Lawrence.

Horticulture and many of its allied interests has suffered a loss in the death of this distinguished citizen of Medford, Mass. Although never taking any active part in any of the organizations for the promotion of knowledge along gardening lines, few men loved the native flowers of America any better than he did and by his generosity in allowing his large private estate in Medford to be a daily playground for the public, he proved it in a manner that so very few of the wealthy do, the privacy of his residence not even being respected by a too eager public, who often take the advantage of a privilege granted by a large-hearted man such as he was, and one day a short time before he was taken sick, on being remonstrated with by a member of his family for allowing the public so much freedom, he replied in the hearing of the writer, "well, you know, we that have the privilege of having these things cannot afford to be selfish about them." Many years ago General Lawrence acquired about three or four hundred acres of woodlands adjacent to the Middlesex Fells reservation, and built roads and other conveniences all through it, also an observatory on Rams Head Hill, the highest point of it, which commands one of the finest and far-reaching views in the vicinity of Boston. The fight that this public-spirited gentleman put up against the gypsy moth and other insect pests is a matter of the history of these scourges in Massachusetts and need not be dwelt on here. As an employer he was beloved by all his employes, and I will add that the writer has been employed by the rich for about thirty years, and has had the privilege of coming in personal contact with royalty and other titled nobility of the old land, but for all the qualities that make a true gentleman none could surpass this distinguished son of Massachusetts.

Genl. Lawrence spent his winters in Miami, Fla., and at the time of his death was developing an estate of one thousand acres for the production of fruit and flowers suitable to that growing winter resort. He was a distinguished free mason having a short time ago resigned from being Sovereign Grand Commander of the Supreme Council of the Ancient and Accepted Scottish Rite. He was also a veteran of the Civil War, being severely wounded at the first battle of Bull Run. General Lawrence was much interested in educational matters, being a graduate of Harvard in 1855, keeping up his interest in that line by serving for many years as trustee of the Public Library of Medford, contributing many valuable books to it each year. He is survived by a widow, a son and daughter, and a brother and sister. His philanthropy was done quietly not allowing his name to be mentioned, and many will mourn his loss along these lines.

GEORGE F. STEWART.

Isaac L. Powell.

Isaac L. Powell, superintendent for Mr. Samuel Thorne of Millbrook, N. Y., died on Thursday morning, September 21st, of pneumonia, after being

ill but one week. Just one week before his death he attended a meeting of the Y. M. C. A., of which he was president, and in which he always took an active part, especially the boys' branch. The writer could not but notice his untiring efforts in this particular work, often walking several miles to and from the meeting place in order to be with the boys, sometimes to deliver a lecture on some fitting subject that would educate them in the better and higher things of this life, other times to instruct them in the athletic work of the association. He was for many years a member of the Society of American Florists and The New York Florists' Club. Mr. Powell was born in Pemberton, N. J., and when quite young entered the employ of John G. Gardner at Jobstown, N. J., on the Rancocas Stock Farm, of which Pierre Lorillard was proprietor, and after serving his apprenticeship was engaged as head gardener to John Wyeth at Westtown, Pa. From there he entered the employ of Thorley, the New York



ISAAC L. POWELL.

florist and afterward to Tuxedo Park as gardener to Pierre Lorillard, also as superintendent of the park. Twenty years ago he entered the employ of Mr. Samuel Thorne of Millbrook as superintendent of his estate known as The Crest, which position he has faithfully filled, always working for the interests of his employer with that untiring zeal which characterized his whole life.

Mr. Powell was an expert chrysanthemum grower and was often sought to act as judge at the fall exhibitions and being so well qualified to fill this office that every exhibitor always seemed satisfied to abide by his decision. He has just finished a book on the culture of the chrysanthemum which should be in every gardener's library.

Funeral services were held in the Thorne mansion on Sunday, the 24th, when between four and five hundred people attended to pay their last tribute of respect to the deceased. The floral tributes were many and beautiful, among the most noticeable being a large wreath of Richmond roses from the New York Florists' Club, gates-ajar from garden employes, large cross, six feet high, of lilies, gardenias and asters from house em-

ployes and a beautiful standing wreath of roses and orchids from the Y. M. C. A. The bearers were Frank Silcox, George Stewart, Peter Duff, William Smith, Joseph Manda, W. C. Russell.

Sebastian P. Fischer.

Death claimed one of the youngest men in the florists' business, Sept. 21st and the news of his sudden death was a shock to the trade who did not generally know of the illness of Sebastian P. Fischer of Evanston, Ill. Just a week prior to his death he was taken to St. Francis Hospital and but one day previous to that he was in the market buying flowers but complained of not feeling well and typhoid fever had even then its hold upon him.

Sebastian P. Fischer was born in Trier, Germany, 27 years ago and with his parents came to this country in childhood. With his father and brother John, he was in business in Evanston, but two years ago the boys started for themselves and were building up a good business, the management of which was directed by Sebastian, John having charge of the growing and a sister, Paulie, the retail store on Dempster Avenue. On the last day of his life, feeling that he could not get well, he planned the future of the business and gave helpful advice to those left. His father, Fred C. Fischer, brother and sister survive. He was a member of the Catholic Order of Foresters, Knights of Columbus and of the Evanston Business Men's Association.

A. A. Hixon.

Adin A. Hixon, aged 68 years, 6 months and 8 days, the librarian and secretary of the Worcester County Horticultural society for 20 years, died on the night of Sept. 25 at his home in Worcester, Mass., from pernicious anemia after a long period of ill health. For 10 months he was confined to his home. He leaves a widow and one son.

Mr. Hixon was a most devoted horticulturist, a companionable gentleman and efficient official. Few men were better known throughout horticultural New England than A. A. Hixon.

Mrs. A. J. Dorward.

Andrew L. Dorward, second vice-president of the Newport Horticultural Society, has lately been the recipient of expressions of sympathy from his many friends for the loss of his wife, who recently died in Kirriemuir, Scotland, where she went a year ago for the benefit of her health.

George M. Langbridge.

W. C. Langbridge, who represents The Jerome B. Rice Company among the American seed trade, was called suddenly to New York on account of the illness of his brother, George M. Langbridge, who died on September 15 of bronchial pneumonia and heart failure.

Mrs. John Geib.

Mrs. Geib, wife of John Geib, florist, died at her home in Long Island City, N. Y., on Saturday, September 23.

Mrs. A. J. Vescelius.

A. J. Vescelius of Paterson, N. J., mourns the loss of his wife, who died on Friday, September 22, after a long illness with cancer of the stomach.

DREER SEASONABLE SPECIALS

Special circulars offering the following seasonable stocks have recently been mailed to the trade. If you are interested and have not received copies, write to us.

Japanese Iris

Japanese varieties, but not Japanese mixtures. 150,000 home-grown plants, true to name. Forty-four of the finest varieties ever brought together. Now is the time to plant.

Paeonies

Now is the time to plant. We have just harvested 150,000 roots, strong divisions, four, five and more eyes. Many of the standard sorts at particularly interesting prices.

Hardy Perennial Phloxes

More than half-a-million plants are now in bloom at our Locust Farm Nursery. The best varieties only and we can ship at once.

Dahlias, Field Grown Roots

We have issued a special catalogue of these in which we offer 200 standard up-to-date varieties. You should consult this list before making up your catalogue for 1912.

Araucarias

Thirty thousand plants now in stock. Prices lower than ever offered. This is for early delivery only and it will pay you to cover your requirements for the coming season now. Get our special circular offering these plants.

For a complete line of all seasonable Florists' Stock, Hardy Perennial Plants, Bulbs, Seeds and Sundries, consult our Current Wholesale List, issued September 1st.



HENRY A. DREER, Inc.

714 Chestnut Street,

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PHILADELPHIA, PA.

Narcissus

Paper White Grandiflora

13 ctm. Bulbs. Per 100, \$1.25; per 1,000, \$9.00; case of 1,250 bulbs, \$11.00.

A. HENDERSON & CO.
30 E. Randolph St., CHICAGO

Headquarters for

FALL BULBS

Send for Trade List

John Lewis Childs

Flowerfield - LONG ISLAND, N.Y.

For Fall Planting

Lilium tenuifolium, Henry's, Hanson's, Wal-lacei and Davuricum; Elegans vars., Single and Double Tigers; Japan Tree Lilac; Delphinium formosum; Japan and German Iris; Daphne Cneorum.

Fall list ready in August.

E. S. MILLER

Wading River, N. Y.

HERBERT, ATCO, N. J.

DAHLIAS Every Day in the Year

PALMS, FERNS, DECORATIVE AND FOLIAGE PLANTS

Also Azaleas, Begonias, Bay and Box Trees

A. LEUTHY & CO.

Perkins Street Nurseries, Roslindale, — Boston, Mass.

Price list on application.

BEST PALMS

All Varieties, All Sizes.

Send for Price List

Joseph Heacock

Wyncote, Pa.

FERNS FOR DISHES

Assorted varieties, 2-in. pots, \$3.50 100;

\$30.00 1200; 500 at 1000 rate.

Cash with order

FRANK OECHSLIN

4911 Quincy St., CHICAGO, ILL.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 48th STREETS, PHILADELPHIA, PA.

ORCHIDS

Greatest quantity and variety in the country. Established and freshly imported. Also material in which to grow them.

Write for special list and catalogue.

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ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World

SANDER, St. Alban's, England and 258 Broadway, Room 721 NEW YORK CITY

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PLANTS and FLOWERS always on hand

ORDONEZ BROS.

Madison, New Jersey

ROEHRS

Orchids, Azaleas, Palms, Lorraines, Crotons

RUTHERFORD, N. J.

LILIUM FORMOSUM

Can Be Grown Nicely in a Carnation Temperature

SPLENDID WELL-RIPENED BULBS

ORDER TODAY

Size	No. to case	Per 100	Per 1000
6 to 8 inches	400	\$4.00	\$35.00
7 to 9 "	300	6.50	55.00
8 to 10 "	250	8.75	82.50
9 to 10 "	200	9.50	90.00
10 to 12 "	150	12.50	115.00

Place your order now for

Special Michell Brand Lilium Giganteum

and

Special Michell Brand Lilium Multiflorum

Large sizes will be scarce and
prices now are low

WHOLESALE BULB CATALOGUE NOW READY,

HENRY F. MICHELL CO.

518 MARKET STREET

PHILADELPHIA



MICHELL'S DAHLIA SHOW.

This was something of a departure from the usual trade exhibition which is usually given for advertising purposes exclusively, but in this case the element of competition came in, and that is of educative value. No tradesman can give a show on the same basis as a society; but as far as they could the promoters in this instance made as good an imitation as is possible—while at the same time frankly owning up to the advertising part of it. The Horticultural Society of this city is at such a low ebb that an affair of this kind—even if it is a trade proposition—assumes more than usual importance. That, and the competitive element is the reason why we devote space to more than the usual passing notice.

The extent, quality and variety of the exhibits; the arrangement; the auxiliary decorative subjects; the general management; all were of a very commendable nature. The show held open four days—September 26-29, and the big store was crowded all the time, and the salesmen had their hands full. Extra flowers came in every day.

Among the decorative subjects outside of the dahlias may be mentioned Funkia cœrulea, Sedum spectabile, Tritoma, Zla Japonica variegata, Salvia splendens, Amaranthus, Zinnia, Helenium autumnale, African marigold, Aster Nova Belgae, Eupatorium Frazeri, gladioli, ferns and palms.

The chief prize winning vase was cleverly placed in the street doorway, and ranged back of same were the other prize winners along the center aisle. The crowds were attracted in,

and the rest was a matter of insidious politeness.

The general manager was Philip Freud, one of the best in the business and a genius in that line. The judges were W. C. Herbert, A. L. Turnley, L. K. Peacock and Maurice Fuld.

Your correspondent encloses the prize list herewith:

Vase, 6 flowers, Delice—first, Chas. Bustard, Chestnut Hill, Phila., Pa.; second, Thomas Holland, Berwyn, Pa.

Vase, 6 flowers, Jack Rose—first, Chas. Bustard; second, Wm. Robertson, gardener to J. W. Pepper, Jenkintown, Pa.

Vase, 12 flowers, William Agnew first, Thomas Holland; second, James Bustard, gardener to G. L. Harrison, Germantown, Pa.

Vase, 12 flowers, C. W. Bruton—first, William Robertson; second, Thomas Holland.

Vase, 6 flowers, Mrs. Roosevelt first, Thomas Holland; second, Wm. Robertson.

Vase, 6 flowers, Pink Pearl first, Chas. Bustard; second, Robt. Morrow, gardener to G. L. Bodine, Chestnut Hill, Phila.

Vase, 50 flowers not less than ten varieties, any type—first, Robt. Morrow; second, James Bustard; honorable mention, Thomas Holland.

The trade contributors got paid by Michell in good iron dollars for their shipments, so we will not give them this free mention this time. Ha, ha. Let the galled jade wince—for once!

GEORGE C. WATSON.

INCORPORATED.

Merchantville, N. J.—Amon Heights Nurseries, Incorporated; J. Newlin Wilkins, Israel C. Townsend of Merchantville and Florence M. Cole, 630 Philadelphia Bourse, Phila., Pa.

Chicago, Ill.—Percy Jones, florist, nursery, commission and mercantile business, capital stock \$10,000. Incorporators: Henry Van Gelder, Fred Wittbold, Robert D. Elder.

DURING RECESS.

Newport Horticultural Society Ball.

The annual ball of this society was held September 20th, with a good attendance of dancers, under the management of Vice-President Wm. Mackay, who led the grand march with Miss Elaine Meikle, daughter of the president. The committee of arrangements was headed by Wm. F. Smith as chairman, Wm. Grey as secretary, and their work was rewarded with the greatest financial success the society has ever enjoyed from any similar function.

Cincinnati Bowlers.

The Bowling Club has its first meet early in October. Members will be notified by Chas. H. Hoffmeister as to when and where. Any desiring to join should advise Mr. Hoffmeister. They are assured of a cordial welcome.

Gustave Ober, of Baltimore, is one of the representatives of the National Fertilizer Association at the Third National Conservation Congress which convened on Monday last in Kansas City. Wilbur W. Hubbard of Chestertown, Md., is the president of this association, and in naming Mr. Ober as chairman of the delegation also appointed Messrs. Frederick Mayer of St. Louis, Mo., C. V. Albright of Raleigh, N. C., Professor Henry G. Bell of Chicago, Ill., W. G. Welsh of Columbus, Ohio and W. G. Sadler of Nashville, Tenn., as members.

PRIMULA MALACOIDES

"The Glorified Baby Primrose"

Offered for the first time in America. This variety will continue sending up a succession of blooming spikes (color, beautiful lilac), giving the appearance of a shower of blooms.

The individual flowers are much larger than P. Forbesi and infinitely more freely branched. It is highly recommended either for cut flowers or for plants, which sell readily on sight. Per trade pkt., \$1.00; ½ pkt., 60c.

Our Fall Bulb Catalogue of Quality Bulbs, etc., now ready.
A post card will fetch one by return mail.

Arthur T. Boddington, Seedsman, 342 W. 14th St., New York

Large Arborvitaes, Hemlock and Norway Spruce.

THE FINEST IN THIS COUNTRY. Also other large Evergreens. Some large deciduous trees and large shrubs. Evergreens with balls. State sizes in writing for prices.

THE F. E. CONINE NURSERY CO., Stratford, Ct.

PERSONAL.

A. Deisler, florist of Newark, N. J., is very sick with dropsy.

Wm. H. Siebrecht, Astoria, N. Y., has just returned from Europe.

A. Spencer who has lately been with Lubliner & Trinz states that the report that he will go into the retail business is a mistake.

Miss Susan H. Wiley and William Dunn, florist, of Fairhaven, Mass., were married on Sept. 20 at the residence of Rev. William J. Martin.

Herman Schiller, president of Schiller the Florist, 2223 West Madison street, Chicago, Ill., and Miss Pearl Yager were married on Sept. 28.

G. H. Pieser who has long been in poor health is expected home this week from Winnipeg where he went hoping to be benefited by the change.

Chester J. Hunn, of the U. S. Government Horticultural staff in the Sandwich Islands, is suffering from an attack of typhoid, so a recent cable says. He is the son of Professor C. J. Hunn of Cornell University.

Charles Millang, the New York wholesale florist, found, on his return from a short vacation with his family in the White Mountains, that his home in Bayside, N. Y., had been burglarized during his absence. Money and silverware were taken.

Benjamin Hammond, the esteemed secretary of the American Rose Society, has declined the nomination for Member of the Assembly from the first district of Dutchess County, N. Y., for business reasons. It is to be regretted that a gentleman of such geniality, ability and unswerving honesty should find it impossible to give to his district his services as its representative in the halls of legislation. In their desire to select him for this post his fellow-townsmen showed most excellent judgment.

Visiting New York—D. T. Connor, Philadelphia representative of Lord & Burnham Co.; W. C. Langbridge, representing Jerome B. Rice Co., Cam-

Boston Ferns

4½ inch from bench.....Each 10c
3½ inch from bench.....Each 7c
2½ inch from bench, \$30.00 per 1000
.....Each 3c

Nephrolepis Whitmanii

2½ inch.....\$5.00 per 100, \$40.00 per 1000

Nephrolepis Magnifica

2½ inch\$15.00 per 100
3½ inch, pot grown 25.00 per 100

We Stand Back of Our Goods and Guarantee Safe Arrival of Shipments to All Parts of United States and Canada.

**HENRY H. BARROWS & SON
Whitman, Mass.**

Araucaria Excelsa

5 in., 3 to 4 tiers, 40c. and 50c.; 5½ to 6 in., 4, 5 and 6 tiers, 60c., 75c. and \$1.00; 7 in., 25, 30, 40 and 50 in. high, for lawns and porches, \$1.50 to \$2.00.

Cash with order, please.

Godfrey Aschmann

Wholesale Grower, Shipper and Importer of Pot Plants.

1012 West Ontario St.,
PHILADELPHIA, - PA.

HALL'S HONEYSUCKLE

5½ inch pot grown, very bushy, excellent for Fall planting, \$2.50 per doz.; \$20.00 per 100.

JAPANESE VARIEGATED, same price.

A. L. MILLER

Jamaica Ave., Opp. Schenck Ave.
Brooklyn, N. Y.

bridge, N. Y.; J. L. Gillespie of the American Seed Company; J. W. Davis, Davenport, Ia.; J. H. Moran, with H. G. Eyres, Albany, N. Y.

Visiting Albany, N. Y.—Morris Cohen, representing Wertheimer Bros. New York; G. F. Knauss, Poughkeepsie, N. Y.

Visiting Boston—F. G. Sealy, representing Julius Roehrs Co., Rutherford N. J.; Alex B. Scott, Sharon Hills, Pa.; A. H. Wingett, Lenox, Mass.; H. A. Barnard, representing Stuart Low & Co., Bush Hill Park, Eng.

Some men can never get out of their own way—they are pulling their own weight and don't know it. Cheap-price Buggaboo has a mortgage on their intellect at the rate of about 50% per annum. And these are the very fellows who kick the most—they couldn't kick more if they had their bed spread on a donkey-engine. They buy cheap stuff for little money and immediately forget what they pay but never forget how bad the stock is after it is forced. They have ingrown ideas of their own and you can't tell them anything nor reason with them. They are almost as bad as the professional canceller of orders—the worst and meanest kicker on the face of the globe. Just the kind that would insist upon a one-armed man to take up a church collection—they don't even trust themselves. They are so used to dealing with the Wooden-Shoe Hikers from Holland that they think there is no honor left in the world. So, when you buy bulbs for little money, expect little value and you will not be much disappointed; but if you pay a fair price and insist upon a good article, you will be better off. Then, remember that the profit in your business is not regulated by the amount of pot-wolloping you do but by the kind of pot-wolloping you can get others to do for you plus your ability to market the goods. For real good bulbs, particularly lily bulbs, write us.



Prices upon application

Ralph M. Ward & Co.
12 West Broadway
NEW YORK CITY

Cold Storage Giganteum, etc., ready for immediate or future shipment. Bamboo Canes on hand.

Seed Trade

Seeds That Are Scarce

The following is an extract from a communication sent out under date of September 28, 1911 by W. Atlee Burpee & Co.

While garden peas and Golden Self-Blanching celery have been in extremely short supply for the past two years, yet never before in the history of the seed trade have there been so many nor such alarming shortages as in seed crops of 1911. There is "almost a famine" not only in peas and French-grown Golden Self Blanching celery, but also in nearly all the beets, mangels, carrots and parsnips, as well as in certain cabbages, radishes and turnips. Eastern-grown cucumbers are only one-fourth to one-half a crop. California sweet peas average little more than half a crop. Our crops of Connecticut-grown Red and Yellow Globe onions are also unfortunately short in yield of seed, while Gibraltar onion is almost a complete failure.

In our extensive travels the past summer (more than 30,000 miles), the only country in Europe where we found seed crops uniformly good was in Denmark. On some of the islands of Amager and Zealand the crops of cabbage and cauliflower were better than we have seen for years and the seed should possess unusual vitality.

Notes.

Among the items that show signs of under-supply for the prospective demand this fall are the Dutch bulbs, especially narcissi and astilbes.

Joliet, Ill.—The seed and agricultural business of Chas. S. Culver, 120 Jefferson street, has been purchased by Kaffer Bros. of Minooka. The business will be continued with John Kaffer as head.

We understand that it is the practice quite generally this year for some of the Holland bulb houses to "pad" their American orders on French bulbs, adding to each shipment a thousand or two more bulbs than the order calls for. The importer is, in a way, almost helpless in such a case as he must accept all or none and there are very few who would care to get into a controversy afterwards over so comparatively small a matter. Quite a good scheme for unloading surplus this year and increasing the size of your order next year.

Brownsville, Tex.—The Brownsville Growers' Association has been permanently organized here for the purpose of co-operative marketing and the buying of crates, seeds and other supplies. A. H. Darling was elected president; T. N. Randall, vice-president and J. S. Duncan, secretary-treasurer. The organization will be incorporated for \$2000 and a charter has already been applied for. The membership at present is about 125 farmers, all of this section, but it is the plan of the promoters to have the growers of the entire Rio Grande Valley affiliate. The directors as elected are: Randall Mathers, R. H. Senter, A. F. Pyatt, F. Rusteberg, H. H. Barber, W. K. Work, M. Lamb, A. C. Bailey and Peoth Hamlett.

PHILADELPHIA NOTES.

Maurice Fuld of Michell's has just returned from a tour of the New England flower shows. Among items worthy of mention he cites:—that Michell got a first class certificate on Kunderdi gladiolus at New York City; at Hartford; and at the New Haven shows; that C. H. Totty has the greatest new rose of the year in Sunburst; that at the Newport show the exhibit of Miss Foster was wonderful; and that Henry Wirth of Providence, R. I., an amateur who exhibited thirty seedlings of cactus dahlias of his own raising is a wonder and ranks with the best of the professionals.

We are glad to be able to announce that James Griffin, florist, of Frankford, who with his daughter were nearly killed in a runaway accident opposite the Michell farm at Andalusia about a month ago are on the mend and are able to be about again. How near a case it was may be imagined when we state that the young lady was unconscious for four days. Mr. Griffin was thrown twenty feet on the hard road and was unconscious for hours. This is rather a lonely stretch of pike and it was nearly twenty minutes before assistance came and the patients were rushed to the hospital.

Visitors: Mr. Greaves, Pittsburg, Pa.; G. B. Wiese, Buffalo, N. Y.; A. W. Smith, Jr., and A. Hall, of A. W. Smith & Co., Pittsburg, Pa.; Alex. Forbes of Peter Henderson & Co., and C. B. Knickman, New York.

PROVIDENCE NOTES.

The Rhode Island Horticultural Society has offered the Florists' and Gardeners' Club of Rhode Island \$150 to be used in premiums at the annual corn and chrysanthemum exhibition which is to be held in Elysium Hall, November 4 and 5. A special committee of the club on exhibitions will make a division of the money into various classes in a way designed to attract exhibits of the best growers.

Edward Brooks, manager of T. J. Johnston & Company, returned Thursday from a vacation in the country.

W. S. Pino started last Tuesday on a motoring trip through Vermont and he will be gone about a week.

NEWS NOTES.

Joliet, Ill.—Miss Carter is now sole proprietor of the Carter Floral Co., having bought out her partner.

Racine, Wis.—The greenhouses of M. Hanson, 1603 Winslow avenue, have been purchased by Sam Pezzlito.

Reed City, Mich.—T. H. Long, of Evart, has purchased the greenhouse formerly conducted by Jacob Noll and W. P. Pepler.

Chicago, Ill.—The greenhouses of Peter Reinberg at Foster avenue and Bowmanville road were ruined by the severe storm of Sept. 18. Much of the glass was broken and the wind scattered flowers over the surrounding country. The loss is placed at \$30,000.

NATURAL PEACH PITS

Also Forcing Asparagus and Rhubarb Roots and Potted Strawberry Plants.

I have peach pits, naturals, crop of 1911, fine; also giant forcing asparagus roots, 8 years' old. Rhubarb roots for forcing and strawberry plants.

WARREN SHINN, Nurseryman,
WOODBURY, N. J.

DWARF ESSEX RAPE SEED

4 1/4c. lb.

This special price
for a short time
only. Samples
sent on request.

J. BOLGIANO & SON

Wholesale Seedsmen

Baltimore, Md.

FOR GOLD FRAMES

STRAW MATS

6 x 6, - \$1.50, \$17.00 doz.

BURLAP MATS

6 1/4 x 6 1/4, \$1.20, \$14.00 doz.

WM. ELLIOTT & SONS,

42 Vesey St., New York

100,000

FORCING TOMATO PLANTS

in 2 1/2 inch pots at \$20.00 per M in the following varieties: Comet, Sutton's, Winter Beauty, Sutton's Best Of All, Sutton's Abundance, Sutton's A 1.

Cabbage and Lettuce Plants in unlimited quantities and best market varieties.

FOX HALL FARM, NORFOLK, VA.

CAULIFLOWER CABBAGE

MANGOLD, SWEDE, TURNIP

LILY OF THE VALLEY PIPS

HJALMAR HARTMANN & CO.
COPENHAGEN, DENMARK.

ONION SEED

We have a choice lot of new crop Silver Skin or Portugal, also other varieties. Write for prices.

SCHILDER BROS.

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COLDWELL LAWN MOWERS

Hand—Horse—Motor

Known All over the World

Catalogue on Request.

NEWBURGH, N. Y.

NEW CROP

MOORE'S SUPERB CYCLAMEN

(Williams' Giant Strain)

This famous strain of Giganteum varieties have large beautifully marbled leaves and stout flower stalks, throwing the enormous flowers of great substance and delightful fragrance well above the foliage, and cannot be excelled. Very profuse bloomers of striking beauty. Vigorous growers.

	100 Seed.	1000 Seed.
Giant White Swan, pure white.....	\$1.00	\$8.00
" Crimson Queen, very rich color.....	1.25	10.00
" Rosy Morn, Satin White, Crimson Eye	1.00	7.00
" Salmon Queen, pale pink.....	1.25	10.00
" Masterpiece, New, extra large flower, pink, red eye.....	1.50	12.00
" Fringed, white and rose.....	1.50	12.00
" Mixed, including the above and other fine sorts.....	1.00	9.00

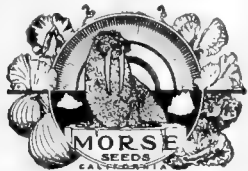
MOORE SEED CO.
125 Market St., Philadelphia, Pa.
Please mention Horticulture when writing

PEAS, BEANS, RADISH } Write for Prices
and all Garden Seeds }

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

Wholesale
SEED GROWERS AND DEALERS



Wholesale Growers of
Onion, Lettuce, Sweet Peas
and other California Specialties

C. C. MORSE & CO.

48 Jackson St. SAN FRANCISCO, CAL.

SEEDS, PLANTS, BULBS

All seasonable kinds of best
quality

Special prices on large lots

JAMES VICK'S SONS,

Seedsman

ROCHESTER N. Y.

COMPLETE STOCK FRENCH AND DUTCH BULBS

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

CHOICE BULBS

In great variety for present
planting—in-doors and out

THOMAS J. GREY CO.
32 South Market Street, Boston, Mass



Florists and Seedsman Sell Your Own Scratch or Poultry Food

We will make it for you under your own brand for
\$33.00 PER TON

Send to-day for sample 100 lb bag, \$1.75. Mr. C. E. Jensen of Atlantic Co., N. J., on Oct. 27, 1910, writes as follows:—I want to state that your three grades of Poultry Food; Chick Starter Developing Food and "Square Deal" Scratch or Poultry Food stands without an equal to day. They are perfect mixtures and sound in grain and a pleasure to handle.

J. BOLGIANO & SON,

Importers and Wholesalers. Established for 92 Years.
BALTIMORE, - MD.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

GIANT

English Cyclamen Seed—best strain, \$9.00 per 100. Pansy Seed—home grown, \$5.00 per oz. Mignonette Giant, greenhouse forcing, \$5.00 per oz., 1/2 oz. \$1.00.

SKIDELSKY & IRWIN CO.
1215 Betz Bldg. Philadelphia

Farquhar's Flower Seeds for The Florist

Write for our Wholesale
Catalogue

R. & J. FARQUHAR & CO.
Boston, Mass.

Established 1820

Thorburn's Bulls

Wholesale Catalogue

NOW READY

Send for a Copy

J. M. THORBURN & CO.

33 Barclay Street

NEW YORK

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

Sphagnum Moss

In Burlap Bales; per bale \$1.00, 6 bales for \$5.00, 10 bales for \$8.00.

Larger Lots at Lower Prices.

The W. W. Barnard Co.

108-110 W. Kinzie St., CHICAGO

*In ordering goods please add "I saw
it in HORTICULTURE."*

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed
only to those who plant for profit.

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Aldine 880. Aldine 881. Aldine 882.

SAMUEL MURRAY

**Kansas City, Mo.
913 Grand Ave.**

All Orders Given Prompt and Careful Attention



**WASHINGTON,
D. C.**

GUDE'S

GUDE BROS. CO.
FLORISTS
1214 F. ST. N.W.
WASHINGTON D.C.

The Far-Famed Flowers of
TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP
96 Yonge St., - - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE
Pres.

DENVER, COLORADO

**WILLIAM L. ROCK
FLOWER CO.**

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.

Members Florists' Telegraph Assn.

ALBANY, N. Y.

EYRES
Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

NEW FLOWER STORES.

Amherst, Mass.—M. B. Kingman,
Hunt's block.

Lynn, Mass.—Gibbs Bros., 231
Union street.

Boston, Mass.—Harry Quint, 19
Tremont street.

Chicago, Ill.—Alex. Tarczali, 691
Milwaukee avenue.

Los Angeles, Calif.—C. A. Brunger,
337 South Spring street.

Portage, Wis.—Mrs. A. Kaiser, Em-
porium block, DeWitt street.

Sioux Falls, S. D.—Chas. E. Lou-
werse, three houses, each 22x175.

Racine, Wis.—The North Side
Greenhouse, 912 Milwaukee avenue.

STEAMER DEPARTURES

American.

St. Louis, N. Y.-S'ampton...Oct. 7

Anchor.

Columbia, N. Y.-Glasgow...Oct. 7

Atlantic Transport.

Minnetonka, N. Y.-London...Oct. 7

Cunard.

Mauretania, N. Y.-Liverpool...Oct. 4

Carmania, N. Y.-Liverpool...Oct. 11

Holland-America.

New Am'd'm, N. Y.-R't'd'm...Oct. 3

Noordam, N. Y.-Rotterdam...Oct. 10

Hamburg-American.

Pres. Lincoln, N. Y.-H'm'b'g...Oct. 3

Victoria Luise, N. Y.-H'm'b'g...Oct. 7

Pres. Grant, N. Y.-Hamburg...Oct. 10

Leyland.

Bohemian, Boston-Liverpool...Oct. 7

North German Lloyd.

K. Wilhelm II, N. Y.-Br'm'n...Oct. 3

P. Fr'd. W'm, N. Y.-Br'm'n...Oct. 5

K'ng Albert, N. Y.-Med't'n...Oct. 7

Kron. Wilh'm, N. Y.-Bremen...Oct. 10

Red Star.

Lapland, New York-Antwerp...Oct. 7

White Star.

Cymric, Boston-Liverpool...Oct. 3

Adriatic, N. Y.-Liverpool...Oct. 5

Majestic, N. Y.-S'ampton...Oct. 7

Arabic, Boston-Liverpool...Oct. 10

Seattle, Wash.—The Seattle Cut
Flower Exchange, 909-11 Post street.

Kansas City, Mo.—Lynwood Floral
and Nursery Co., 31st street and
Brooklyn avenue.

Cleveland, O.—Penn Square Floral
Co., Euclid and East 55th street. An-
derson Bros., proprietors.

Boston, Mass.—F. H. Houghton, for-
merly at 396 Boylston street, will
open a retail store at 4 Park street on
October 5.

NEWS NOTES.

San Francisco, Calif.—The retail
store of the Sievers Cornwall Co. has
been closed, the business being in the
hands of a receiver, it is said.

Stamford, Conn.—The store, stock
and fittings of Mrs. A. Lindstorm
have been purchased by Hilary E. Le-
Page, who will run it in connection
with his greenhouse at Glenbrook.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any
part of the United States, Canada, and
all principal cities of Europe. Orders
transferred or intrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

NEW YORK

Orders for Steamer, Theatre, Hotel, or
Residence Carefully Filled.

Wm. H. LONG

412 Columbus Ave.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York
Telephone 1552-1553 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspon-
dents in all the large cities of Europe and the British
Colonies. Telegraph and Cable address, Dardapier

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points,
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N.Y.

BUFFALO

S. A. ANDERSON

440 MAIN STREET

Special Deliveries Niagara Falls
and Lockport

"THE HOME OF FLOWERS"

The largest cut flower store in America.
Orders for the TWIN CITIES and for all
Northwestern points given prompt at-
tention.

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN
194 Boylston Street, Boston

LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

WASHINGTON NOTES.

C. A. Shaffer & Co., of Alexandria, Va., are sending a good sized portion of their output to the Pennock-Meehan Co.

William F. Marche injured his foot in a fall sustained when his motorcycle skidded, throwing him to the ground.

George C. Shaffer, Fourteenth and Eye streets, N. W., will make a number of minor repairs and will repaint the interior of the store.

The Brookland flower show held in the Lord Memorial Hall last week brought forth some very creditable specimens of cannas, dahlias in many varieties, roses and geraniums.

J. A. Phillips, proprietor of "The Flower Store," at 2926 Fourteenth street, N. W., last week opened up a branch in the Arcade Market at Fourteenth street and Park Road, N. W.

The Joseph R. Freeman store at 612 Thirteenth street, N. W., is receiving a new coat of green paint on the outside and one of ivory white on the interior in preparation for fall business.

Marche & Co., 735 Fourteenth street, N. W., have repainted the interior of their store and further improved it by the addition of lattice work on the walls and at the rear of the display window.

Fred Michell, of the H. F. Michell Co., and I. Rosnosky representing the same firm were in town last week. B. Eschner also called on the local trade in the interest of M. Rice & Co., Philadelphia.

Z. D. Blackistone has the Fourteenth street side of his store all boarded up preparatory to the installation of a new front. Upon the completion of alterations Mr. Blackistone will have

IN THE SWIM

*I must be in the swim,
You might forget my name,
And say that I am to blame,
If you do not get the best.*

Christmas Trees, Spruce or Balsam, from one foot to thirty, in any quantity; Baled Spruce, Balsam, Hemlock Boughs, Laurel and Evergreen Festooning and Wreaths, Sphagnum Moss, Hardy Cut Fancy and Dagger Ferns, Yearly Contracts Made. Send for Price List and order your Christmas Trees now. **GET THE BEST.**

H. J. SMITH, Hinsdale, Mass.

**THE Florists' Supply
House of America**

**H. BAYERSDORFER & CO.
1129 Arch St., Philadelphia, Pa.**

**NEW ENGLAND
FLOWER DELIVERIES**

Send flower orders for delivery in Boston
and all New England points to

**THOS. F. GALVIN
124 Tremont St., Boston**

TRANSFER

Your orders for flower or plant delivery
in Eastern New England to

**JULIUS A. ZINN
1 Park St., Boston**

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall
Schools. **TAILBY, Wellesley, Mass.**
Tel. Wellesley 44-1 and 2. Night 44-3

one of the show places of the city.

Wallace W. Kimmel, 1131 Fourteenth street, N. W., with a party of friends is doing his utmost to remove the finny denizens of the water surrounding Blackistone's Island, Md. Anyhow they are having a very good time from all accounts.

Mr. C. J. Saunders recently removed his store from 1411 to 1415 U street, N. W., at which latter address he has more space and a store more nearly fitted to the requirements of a growing business. The stand is well located, being near the transfer station at Fourteenth and U streets. He is one of the recently elected members to the Florists' Club of Washington.

It has been reported that the partnership which heretofore existed between J. Harry Ley and J. J. Bickings has been dissolved. They have been doing business during the past six years under the title of Ley & Bickings. The former will continue at the old stand while the latter will re-engage in the two new houses, on adjoining land, which have just been completed.

The Washington Florists' Co., Thirteenth and F streets have perhaps the best display window in the city this week, decorated in the honor of the convention of the Veiled Prophets. As a setting for a display of lurid Satanic scenes and emblems the window is filled with scarlet geraniums, cannas, golden rod and ferns, and at the back is a large model of the Washington monument, painted red in spots, and representing "A Hot Old Time."

Florists in Anacostia, D. C., where there is a large area devoted to hot-houses, are enlarging their facilities, and those who have not added to their equipment are expected to do so shortly. Two modern hot houses have been recently constructed for Fred H. Kramer at his establishment in Good Hope road. Others have been built at the gardens on the Bickings estate at Good Hope, and James F. Pierce is modernizing part of his equipment on the Bowen road. Alexander B. Garden is having similar work performed at his Minnesota avenue plant.

Visitors.—Sidney Bayersdorfer, of H. Bayersdorfer & Co., Philadelphia, Pa.; Robert H. C. Bard of Bard & Davis, Syracuse, N. Y.

CLARENCE L. LINZ.

CHICAGO NOTES

Henry Kruchten is again at the store for the busy season which seems must be now at hand.

Theodore Vogel, formerly at Kennicott's, has joined the ranks of the retailers, taking a position at the Alpha.

The Chicago Carnation Co., is cutting carnations now with 18 in. stems. There are none finer in quality in the market.

W. H. Hilton of 1329 E. 63rd street has opened a second store on 53rd street. It will be in charge of his daughter.

Jos. Brooks of Morton Grove is completing the addition to his range of houses and in another week will have everything in order.

The mail order business already in for the Fisher Plant Clip is encouraging to the E. H. Hunt Co., who are handling it. Last week's issue contains full description with illustrations.

The flower show given by the Horti-

cultural Society of Chicago at the Art Institute last week was not taken hold of very enthusiastically by growers in general. The space was nearly all taken by a good exhibit from Vaughan's Seed Store and in most entries there was no competition.

G. Redburn has just returned from a western trip which extended as far as Portland, Ore., and found business very encouraging. Mr. Redburn represents the A. Henderson Co., whose advertisement appears in another column and whose second shipment of Formosum and first of Multiflorum are due this week.

A trip to the George Wittbold's plant at Edgebrook is a pleasure, for the young stock is in excellent condition and being rapidly shipped out. Work in the nursery will be in order soon and a fine lot of iris, cut-leaf sumach mulberries, snowberries, box elders, etc., are ready for shipping. Otto Wittbold is still wrestling with hay fever but never loses a day.

Visitors: W. H. Hart of Clinton Falls Nursery Co., Owatonna, Minn.; R. Karlstrom, representing W. A. Manda, South Orange, N. J.; Geo. M. Brinkerhoff, Springfield, Ill.; J. Papadakis, Kansas City, Mo.; Mr. Stuppy, of Stuppy Floral Co., St. Joseph, Mo.; C. E. Gullett, Lincoln, Ill.; Mr. and Mrs. Chas. Sherwood, Waterloo, Ia.; Louis Turner, Kenosha, Wis.

ST. LOUIS NOTES.

Wm. P. Craig, of Robert Craig Co., Philadelphia, spent a few days here the past week calling on the different plantmen.

There is some talk of organizing a union among the florists. This talk comes from those who solicit funeral orders and want to make a bit with the local unions.

President Taft's visit last week brought some extra work for the local florists. At every place the President visited flowers were prominent. Beauties were largely used on all occasions.

The Wm. C. Smith Wholesale Flower Co., with their employes, spent Sunday afternoon, September 24, at Kirkwood. They came back with a great load of crawfish. There were five ladies in the party.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by
Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edw. MacMulkin, 194 Boylston St.
Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's 304 Main St.
Buffalo, N. Y.—S. A. Anderson, 410 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Denver, Col.—Park Floral Co., 1643 B'way.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Kansas City, Mo.—Samuel Murray, 912 Grand Ave.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 611 5th Ave.
New York—W. H. Long, 412 Columbus Av.
New York—Young & Nugent, 42 W. 28th.
New York—Davis, N. E. cor. 44th St. and Madison Ave.
St. Paul, Minn.—Helm & Olson.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.
Washington, D. C.—Gude Bros., 1214 F St.
Wellesley, Mass.—Tailby.

For this week we are offering at attractive prices, representing good value:

BEAUTIES

\$1.00-\$3.00 per dozen.

CATTLEYS

\$6.00 per dozen. Special price in quantity

DAHLIAS

\$1.50-\$3.00 per 100.

DOROTHY PEACOCK, \$5.00 PER 100.

Business Hours, 7 A. M. to 8 P. M.

The Leo Niessen Co.

WHOLESALE FLORISTS

N. W. Corner
12th and Race Sts., **PHILADELPHIA**

THE BEST LETTERS

FOR **R** THOSE
FLORIST'S MADE
USE BY THE

Boston Florist Letter Co

66 PEARL ST., BOSTON

N. F. McCarthy, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock.

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

George B. Hart

WHOLESALE

FLORIST

24 Stone St., Rochester, N.Y.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention to shipping orders. Jobbers of Florists' Supplies, Seeds and Bulbs. Price list on application.

Phone Main 584. 316 Walnut St., Cincinnati.

To Cut Flower Growers and Retail Florists

IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	BOSTON Sept. 29	CHICAGO Sept. 26	ST. LOUIS Sept. 26	PHILA. Sept. 26
Ave. Beauty, Fancy and Special...	15.00 to 25.00	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00
Extra	10.00 to 15.00	15.00 to 20.00	10.00 to 12.50	12.50 to 15.00
No. 1	6.00 to 10.00	10.00 to 12.00	5.00 to 6.00	8.00 to 12.50
Lower grades	2.00 to 4.00	4.00 to 8.00	3.00 to 4.00	2.00 to 8.00
Richmond, Chateaux, Fancy & Spl.	3.00 to 5.00	6.00 to 8.00	4.00 to 6.00	4.00 to 6.00
Lower grades	.50 to 2.00	3.00 to 5.00	2.00 to 3.00	2.00 to 4.00
Killarney, Maryland, Fan. & Spl.	4.00 to 8.00	6.00 to 8.00	4.00 to 6.00	4.00 to 8.00
Lower grades	.50 to 2.00	3.00 to 5.00	2.00 to 3.00	2.00 to 4.00
Bride, 'Maid, Kaiserin, Carnot, Taft	.50 to 2.00	3.00 to 6.00	2.00 to 4.00	2.00 to 6.00
Carnations, First Quality	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00
Ordinary	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
MISCELLANEOUS				
Cattleyas	35.00 to 40.00	40.00 to 50.00	50.00 to 60.00	40.00 to 50.00
Lilies, Longiflorum	6.00 to 10.00	8.00 to 10.00	8.00 to 10.00	8.00 to 12.50
Lily of the Valley	2.00 to 3.00	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00
Chrysanthemums	12.50 to 20.00	12.00 to 20.00	15.00 to 25.00	10.00 to 20.00
Gladioli	1.00 to 2.00	2.00 to 3.00	3.00 to 4.00	2.00 to 4.00
Asters	.25 to 1.50	1.00 to 2.00	1.00 to 3.00	.50 to 2.00
Daisies	.50 to .75	.50 to 1.00	.25 to .50	.50 to 1.00
Dahlias	.50 to 1.00	1.00 to 2.00	2.00 to 3.00	1.00 to 2.00
Sweet Peas	.50 to 1.00	.50 to 1.00	.50 to 1.00	.35 to .50
Gardenias	8.00 to 10.00	10.00 to 12.00	10.00 to 12.00	1.00 to 1.50
Adiantum	1.00 to 1.50	1.00 to 1.50	1.00 to 1.25	1.00 to 1.50
Smilax	12.00 to 15.00	12.00 to 18.00	12.50 to 15.00	15.00 to 20.00
Asparagus Plumosus, strings (100)	10.00 to 15.00	10.00 to 15.00	10.00 to 15.00	10.00 to 15.00
" & Spreng. (100 bchs.)	16.00 to 20.00	16.00 to 20.00	16.00 to 20.00	16.00 to 20.00

J.A. BUDLONG

82-84-86 E. Randolph St., Chicago

OUR STOCK IS A-1 AND IT IS QUALITY NOT PRICES THAT TALKS

Chicago Flower Growers' Association

Wholesale Growers of Cut Flowers and Plants

176 N. MICHIGAN AVE., BETWEEN RANDOLPH AND LAKE STREETS, CHICAGO

HENRY M. ROBINSON & CO.

15 Province St., 9 Chapman Pl.,
BOSTON, MASS.

Everything in Flowers

Complete Stock of Florists' Greens,

Three Floors of Florists' Supplies.

TRY MY PRICES.

J. JANSKY, Tel. Main 3652-1, Boston, Mass.
19 Province St.,

Manufacturer of Florist Wire Designs,
All kinds of Florist Supplies.

New crop Dagger and Fancy Ferns, \$1.75 per 1000. Green and Bronze Galax, 90c. per 1000; by the case, \$7.50. Boxwood, 50-lb. case, \$7.50; by the lb., 25c. Laurel Wreaths, 10-inch, \$1.75 per doz.; 12-inch, \$2.25 per doz.; 14-inch, \$3.00 per doz.; 16-inch, \$4.50 per doz. Laurel Trimming, 4 and 5c. per yd.

Flower Market Reports

BOSTON At present writing much lower temperature prevails than during the past few days, and killing frosts are a possibility at any moment almost. Carnations are responding to the better environment, and are increasing in quantity and improving in quality. Lily of the valley and cattleyas are in excellent demand, and the quantity of the latter is thus far below the needs of the market. Chrysanthemums are mainly confined to the Golden Glow variety, but a large vase of October Frost made its appearance at Welch Bros. this day. Asters are pretty near their finish, the bulk of the late bloom having been badly injured by the frost which came some ten days ago. Roses are getting solidity and finish, and each day sees them more deserving of attention from the flower buyer.

With the outdoor material drawing close to the end, prospects for new life in business is looked for at an early date. There was a slight frost some few nights ago, but no injury reported to any extent. Short-stemmed roses and carnations are gradually filling the market, and the warm days have a tendency to bring them on faster. Gladioli are shortening in supply, also asters, and they will not be missed until they are over with. Summer roses still are had in good supply, and there are some choice Kaisersins and President Carnots. Bon Silenes are gradually coming forward and violets have made their appearance.

CHICAGO The change in the market conditions is coming gradually and trade has not experienced the sudden revival that many anticipated when September came. All lines of stock are selling as well as is usual before a frost, even the few flowers left in the gardens affecting the local market somewhat. The opening of the various clubs in the city begins this week and adds considerably to the demand for Beauties and other roses. Asters are still with us and the season will close as it began with a few good ones and many poor ones, the former from the greenhouses and the latter from the rain-soaked fields. Carnations are showing up well for the season, stems fully up to the average and blooms large and perfect. The first violets are straying in and orchids are more than able to meet the demand this week. Gladioli will soon be of the past and give way to the chrysanthemums, now coming in more freely and selling readily for September. Of roses, the variety is complete and the quality excellent, while prices vary accordingly. Shipping trade is quite good; the best roses are practically used up each day. There is a good supply of green of all kinds.

CINCINNATI This week business started with a rush that was most gratifying. The close of last week was also very satisfactory. The market, with the passing of asters and gladioli, is tightening and some lines already bringing a slightly higher price. The shipping business is good, especially in greens, and includes also practically



CATTLEYAS

Splendid large flowers, \$6.00 per doz. In lots of 50 or over, \$5.00 per 100. All specimens of this price, smaller flowers at less money.

VALLEY

Special, \$4.00 per 100; Extra, \$3.00 per 100. In any quantity on short notice, our usual P. M. quality, which means the best on the market.

BEAUTIES

Specials \$25.00 per 100
Fancies 20.00 per 100
Extra 15.00 per 100
Firsts 12.50 per 100
Seconds 10.00 per 100

DAHLIAS

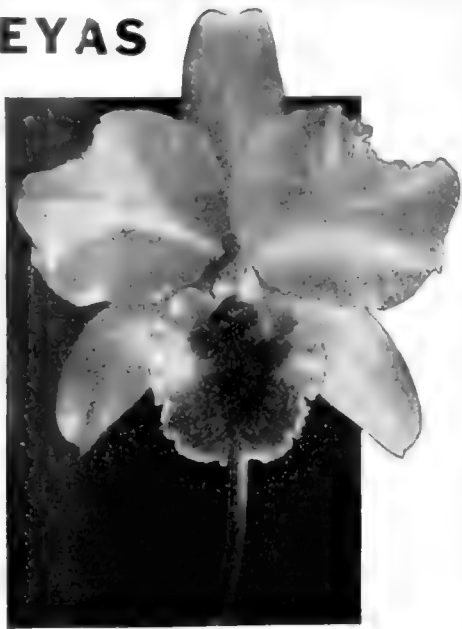
The Choicest \$2.50 per 100
Choice 2.00 per 100
Good Mediums 1.50 per 100

SPHAGNUM

Our special offer on Sphagnum Moss as advertised in Horticulture of Sept. 16th still holds good. Get in on this.

RIBBONS AND SUPPLIES

Many new patterns in exclusive Ribbons this fall. Write us. Send for our price list of supplies.



Field Grown CARNATION PLANTS

See our advertisement in Horticulture of Sept. 2.

We still have some fine plants of some of the varieties to offer.

Distributing Agents for the great new roses for 1912

Double White Killarney and Killarney Queen

Write us for particulars and prices. Orders booked now.

S. S. PENNOCK-MEEHAN CO.

THE WHOLESALE FLORISTS OF PHILADELPHIA

NEW YORK
109 W. 28th Street

PHILADELPHIA
1608-1620 Ludlow Street

WASHINGTON
1212 New York Ave.

WHOLESALE FLOWER MARKETS.—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	CINCINNATI Sept. 26	DETROIT Sept. 26	BUFFALO Sept. 25	PITTSBURG Sept. 26
Am. Beauty, Fan. and Sp.....	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00
“ Extra	15.00 to 20.00	15.00 to 20.00	15.00 to 20.00	15.00 to 20.00
“ No. 1	10.00 to 15.00	10.00 to 15.00	10.00 to 15.00	10.00 to 15.00
“ Lower grades.....	4.00 to 10.00	4.00 to 10.00	4.00 to 10.00	4.00 to 10.00
Richmond, Chateaux, Fan. & Spl....	6.00 to 8.00	6.00 to 8.00	6.00 to 8.00	6.00 to 8.00
“ Lower Grades.....	3.00 to 5.00	3.00 to 5.00	3.00 to 5.00	3.00 to 5.00
Killarney, Maryland, Fan. & Spl....	6.00 to 10.00	6.00 to 10.00	6.00 to 10.00	6.00 to 10.00
“ Low Grades.....	2.00 to 6.00	2.00 to 6.00	2.00 to 6.00	2.00 to 6.00
Bride, 'Maid, and 4.00 to 8.00	3.00 to 7.00	3.00 to 7.00	3.00 to 7.00	3.00 to 7.00
Kaiserin, Carnot, Taft	4.00 to 8.00	4.00 to 8.00	4.00 to 8.00	4.00 to 8.00
CARNATIONS, First Quality	1.50 to 2.00	1.50 to 2.00	1.50 to 2.00	1.50 to 2.00
Ordinary .....	.75 to 1.00	.75 to 1.00	.75 to 1.00	.75 to 1.00
MISCELLANEOUS				
Cattleyas	30.00 to 50.00	35.00 to 50.00	30.00 to 50.00	30.00 to 50.00
Lilies, Longiflorum.....	10.00 to 12.00	10.00 to 12.00	10.00 to 12.00	10.00 to 12.00
Lily of the Valley.....	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Chrysanthemums	10.00 to 15.00	10.00 to 15.00	10.00 to 15.00	10.00 to 15.00
Gladioli	3.00 to 5.00	3.00 to 5.00	3.00 to 5.00	3.00 to 5.00
Asters	1.00 to 3.00	1.00 to 3.00	1.00 to 3.00	1.00 to 3.00
Daisies	1.00 to 3.00	1.00 to 3.00	1.00 to 3.00	1.00 to 3.00
Dahlias	1.00 to 3.00	1.00 to 3.00	1.00 to 3.00	1.00 to 3.00
Sweet Peas	1.00 to 3.00	1.00 to 3.00	1.00 to 3.00	1.00 to 3.00
Gardenias	1.00 to 3.00	1.00 to 3.00	1.00 to 3.00	1.00 to 3.00
Adiantum	1.00 to 3.00	1.00 to 3.00	1.00 to 3.00	1.00 to 3.00
Smilax	1.00 to 3.00	1.00 to 3.00	1.00 to 3.00	1.00 to 3.00
Asparagus Plumosus, strings (100)	1.00 to 3.00	1.00 to 3.00	1.00 to 3.00	1.00 to 3.00
“ & Spreu (100 brhs.)	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00

all lines of offerings in flowers. The business, too, seems brisker than of late fortnight. The supply of roses of all kinds continues strong and of excellent quality. The carnations, especially the lighter and white shades, are rapidly rounding into shape. They have become very good stock and have improved. Some very

dahlias meet with a not over good market but as soon as the asters are completely out should sell better. A few chrysanthemums have put in an appearance and cleaned up quickly at high prices. The lily of the valley offered is good. "Sufficient" gives the green goods market in a word.

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Successor to
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FINE ROSES, FANCY CARNATIONS
A Full Line of All CUT FLOWERS.
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Preserved and Fresh Cut
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A full line of Choice Cut Flower Stock for all purposes.
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The HOME OF THE LILY
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ORCHIDS A SPECIALTY
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GARDENIAS, DAISIES, ROSES AND CARNATIONS
JAMES McMANUS, Tel. 7590 Mad. Sq. 55 W. 28th St., New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Sept. 23 1911		First Half of Week beginning Sept. 25 1911	
American Beauty, Fancy and Special.....	15.00	to 20.00	12.00	to 15.00
" " Extra.....	10.00	to 12.00	8.00	to 12.00
" " No. 1.....	6.00	to 8.00	5.00	to 6.00
" " Lower Grades.....	2.00	to 4.00	2.00	to 4.00
Richmond, Chateaux, Extra and Special.....	2.00	to 4.00	2.00	to 4.00
" " Lower Grades.....	1.00	to 2.00	1.00	to 2.00
Killarney, My Maryland, Extra and Special.....	4.00	to 8.00	4.00	to 6.00
" " Lower Grades.....	1.00	to 4.00	1.00	to 4.00
Bride, 'Naid.....	1.00	to 4.00	1.00	to 3.00
Kaiserin, Carnot, Taft.....	2.00	to 8.00	1.00	to 6.00
Carnations, First Quality.....	1.00	to 2.00	1.00	to 2.00
" " Ordinary.....	.50	to .75	.50	to .75

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10,000... \$1.75; 50,000... \$2.50. Sample free
Per sale by dealers

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WHOLESALE FLORISTS
Choice Cut Flowers
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Prompt Payments. Telephone 3559 Madison Sq.

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Wholesale Florist
55-57 West 26th St., NEW YORK
Shipments, any quantity, Whole-
sale Market Rates.

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Simple methods of correct accounting
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Merchants Bank Building
28 STATE ST. - BOSTON
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Flower Market Reports.

(Continued from page 477)

DETROIT Many extensive store decorations for fall openings and weddings kept most of the stores very busy and put a more healthy price on cut flowers. It looks as though we may look forward to a short supply for a few weeks in the near future. A very encouraging report comes from Mt. Clemens where the majority of our wholesale growers have some very up-to-date ranges.

NEW YORK The genial weather continues to exercise its uncongenial influence on the flower trade, and so long as dray loads of dahlias, cosmos and other garden products are a daily spectacle in the wholesale district not much change in conditions may be looked for. The same warm autumn sunlight which brings the dahlias into bloom is also at work on the indoor crops, and roses are responding to its influence with an exuberance which brings dismay to the man whose business it is to find a purchaser for the heaped up consignments. The cattleyas, likewise, are hurrying in on the market and where, a couple of weeks ago none were obtainable, today the dealer is sorely puzzled as to how to get rid of them. Violets have added their quota to the general accumulation. They are blooming more freely than would be expected under the circumstances, but are very pale in color, and there is very little demand for them. Carnation gradually improving and chrysanthemums getting more in evidence every day. Asters slackening up and gladioli near their end.

PHILADELPHIA We are passing through a transitional period at present. The summer doldrums are over, of course, and the sanguine looked for the brisk fall business to commence at once. But the brisk fall business holds off. For a day or two, off and on, we imagined that the brisk "brown clad lad" was with us—and then we awakened to the sad fact that it was only a dream, due to the wish being father to the thought. Last week we had flowers to burn and no takers. The past week was only a sample of the condition. For four days it was "nothing doing"—then Friday and Saturday saw a pretty good clean-up on everything except roses. The latter, especially in pinks and whites, went a-begging; a big surplus. The red roses like Richmonds and Beauties fared better.

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A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

Tel. 4591 Main

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Sept. 23 1911		First Half of Week beginning Sept. 25 1911	
Cattleyas	40.00	to 50.00	30.00	to 50.00
Lilies, Longiflorum	3.00	to 6.00	3.00	to 5.00
Lily of the Valley	1.00	to 2.00	1.00	to 2.00
Chrysanthemums	10.00	to 16.00	10.00	to 16.00
Gladioli.....	.25	to 1.00	.35	to 1.00
Asters.....	.15	to 1.00	.15	to 1.00
Daisies.....	.10	to .25	.10	to .25
Dahlias.....	.....	.....	.....	.....
Violets.....	.10	to .40	.10	to .40
Gardenias	8.00	to 12.00	8.00	to 12.00
Adiantum.....	.50	to .75	.50	to .75
Smilax	5.00	to 8.00	5.00	to 8.00
Asparagus Plumosus, strings.....	.....	35.00	.....	35.00
" & Spreng. (too bcha)	10.00	to 20.00	10.00	to 20.00

Some blamed the weather but while that was not ideal it was not so bad. The demand simply was not there in any department—that is all. The majority of the carnations are pretty short-stemmed and such stock hangs fire. Really good carnations meet with ready sale, but these are few. Dahlias are very plentiful and excellent. All things considered it is surprising how these clean up when the enormous quantity coming in daily have to find a market—or the dump. Of course the prices on these are very moderate and this has its effect on all other flowers. Asters and gladioli on the wane. Orchids more plentiful and a big drop. The only chrysanthemums arriving so far are early yellows and these find a fairly good market.

PROVIDENCE

The general tone of the market during the past has shown a slight improvement and the trader in a very expectant mood. Outdoor flowers are practically extinct and as a consequence the hot-house products are in demand. The prospects for a prosperous season appear very bright. Already many "coming outs" are scheduled, society is planning for a busy time this winter and many entertainments are on the programme. With this outlook the florists are feeling jubilant and their only hope is that they can supply the demand. Carnations are coming slow and the demand far exceeds the supply. The quality is fair, but the stems are short and the average price is \$1.50. Chrysanthemums of a very fair quality are on the market, bringing from \$2 to \$3 per dozen at wholesale with a good demand. Roses of a fine quality are very plentiful. Many of the florists are showing a fine crop of violets for this time of the year and they are worth a cent apiece at wholesale. Some very fine cattleyas are available at \$6 per dozen. Asters are running very poor, there is little demand for them.

ST. LOUIS During the past week there was a great deal of stock in at any of

the four markets with hardly enough demand to dispose of it and the warm days did no good to a left-over stock. Prices have been very cheap all week and in some cases the thousand-lot prices were so very low that we will not record them. A few chrysanthemums are coming in, and sell well at from \$1.50 to \$3 per dozen. These from now on will become more plentiful each week and stay with us in abundance for the next two months.

Next week we are looking forward to as quite a busy one. The fall festivities begin with the Veiled Prophets' Ball which generally uses up a lot of extra fine stock. There will also be a lot of fall opening decorations to be made for the large department stores downtown.

WASHINGTON

The Jewish holiday caused a little flurry in the market Thursday and Friday last week but Saturday was almost flat in comparison. There was plenty of good clean stock to cover all demands. Roses are even more plentiful than the week past. Lilies selling slow at \$8 to \$10 per hundred; lilies of the valley are going fairly well at from \$3 to \$4 per hundred; dahlias have been quite plentiful at from 75 cents to \$1.50. There were probably more carnations in the market last week than were needed, and they were sold at from \$1.00 to \$1.50 per hundred. The pinks and whites seem to go quite well, but there is little demand for reds. Cattleyas are more plentiful and are offered at \$6 per dozen, with little demand in some cases as low as \$35 per hundred. The above quotations apply to first-class stock only, the poorer grades being sold to street men at much lower figures. There seems to be an increased number of street men and an increased demand for the class of goods they carry.

DECORATIVE PLANTS

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Roslindale, Mass.
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- Robert Craig Co., Market and 49th Sts.,**
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- John Scott, Brooklyn, N. Y.**
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DRACAENAS.

- DRACAENA INDIVISA.**
Strong plants ready for 5 in. pots,
\$10.00 per 100.
Vern L. Schuman, Erie, Pa.

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FERNS

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- H. H. Barrows & Son, Whitman, Mass.**
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- John Scott, Brooklyn, N. Y.**
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- Frank Oechelin, 4911 Quincy Street,**
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Ferns for Dishes.

- For page see List of Advertisers.
- Robert Craig Co., Philadelphia, Pa.**
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N. Y.
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Joseph Heacock, Wyncote, Pa.

- For page see List of Advertisers.
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Anderson's ferns for in and outdoors.
Largest commercial collection in the country.
Ask for descriptive catalogue. **J. F. Anderson, Fern Specialist, Short Hills, N. J.**

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\$40.00 per 100. **Whitman Ferns, 4 inch, 20c.**
each, \$15.00 per 100; 5 inch, 30c. each,
\$25.00 per 100; 6 inch, 45c. each, \$40.00 per
100; 7 inch, 60c. each, \$55.00 per 100; 8 inch,
75c. each, \$70.00 per 100. **Ferns Elastic,**
35c., 50c. and 75c. each. Cash please.
Queen City Floral Co., Manchester, N. H.

Boston Ferns, 2 in. \$1.00 per 100, \$25.00 1000
" 6 in. \$6.00 doz. \$15.00 per 100
" 7 in. \$9.75 each, \$9.00 doz.
" 8 in. \$10.00 each, \$12.00 doz.
" 9 in. \$1.50 each, \$18.00 doz.
" 10 in. \$2.00 each
" 12 in. \$4.50 each, \$5.00 each
Fern Baskets \$1.50 and \$2.50 each
THE G. O. WITTEBOLD CO.
Edgewater, N. J.

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Shell-Marl Land-Lime, doubles farm
crops, best and cheapest lime. Sphagnum
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- N. F. McCarthy & Co., 84 Hawley St.,**
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- H. M. Robinson & Co., 15 Province St. and**
9 Chapman Place, Boston, Mass.
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FORGET-ME-NOTS

Forget-me-nots, 1500 Royal Blue, 2 1/2 in.
pots, 2000 Victorias in flats, large plants,
\$2.00 per 100. Cash. **M. B. Saunders Co.,**
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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh,
mailed to your address for 55 cents by
Horticulture Publishing Co., 11 Hamilton
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GALAX

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For page see List of Advertisers.
- H. M. Robinson & Co., 15 Province St.**
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GERANIUMS

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Maryland.
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- Geraniums Nutt, Poltevine, Ricard, Per-**
kins, Vland, Bucher, Rose, Ivy. Rooted
cuttings, \$1.00 per 100; \$10.00 per 1000.
Edward Wallis & Co., Berlin, N. J.

GLADIOLUS

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New Gladiolus Niagara.
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- Silver Trophy and Florist Mixture Glad-**
iolus bulbs, 10,000. Large also small sizes,
for sale in October. **S. E. Spencer, 58 Con-**
greve St., Roslindale, Mass.

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25th and 28th Sts., Chicago.
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- Sharp, Partridge & Co., 22d and Lumber**
Sts., Chicago.
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Brooklyn, N. Y.
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politan Ave., Brooklyn, N. Y.

Greenhouse glass, lowest prices. John-
ston Glass Co., Hartford City, Ind.

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- A. T. Stearns Lumber Co., Neponset,**
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- King Construction Co., N. Tonawanda, N. Y.**
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- J. C. Moninger Co., 117 East Blackhawk**
St., Chicago, Ill.
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GREENHOUSE BUILDING MATERIAL—

(continued)

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Pecky Cypress for Beuches.
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- S. Jacobs & Sons, 1359-63 Flushing Ave.,**
Brooklyn, N. Y.
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- GREENHOUSE CONSTRUCTION**
Foley Mfg. Co., Chicago.
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- King Construction Co., N. Tonawanda, N. Y.**
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- A. T. Stearns Lumber Co., Boston, Mass.**
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- Lord & Burnham,**
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- Hitchings & Co., 1170 Broadway, N. Y.**
- Pierson U-Bar Co., Madison Ave., New York**
Designer and Builder.

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King Channel Gutters.
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- The Kervan Co., New York**
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- J. Jansky, Boston, Mass.**
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- H. J. Smith, Hinsdale, Mass.**
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- Lord & Burnham Co.,**
1133 Broadway, New York.
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- Boblink & Atkins, Rutherford, N. J.**
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- Patva \$2.50 per 100 C. S. Harrison's**
Select Nursery Co., York, Neb.

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- Foley Mfg. Co., Chicago**
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- Parshelsky Bros., Brooklyn, N. Y.**
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Aphine.
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- E. H. Hunt, Chicago, Ill.**
To-Bak-Ine Products.
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Hornsea, England.
Esler, N. Y.

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 Wilson Plant Oil and Fertilizer Co., New York, N. Y.
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Acme Nicotine Insecticides sold direct to the grower. Acme 45 per cent. Liquid, pint \$1.75; gallon \$12.50. Acme Fumigating Paper, case of 28 sheets \$5.50. Sample can of 24 sheets 60 cents, postpaid. J. P. Beermaker, 9 Washington Ave., St. Louis, Mo.

IRISES.

Henry A. Dreer, Inc., Phila., Pa.
 Imperial Japanese Iris.
 For page see List of Advertisers.

Kheive, \$6.00. Celestie, Chalcedonia, Elizabeth and Anna \$5.00; Flavescens, Madam Chateau, Margolin, Marmora, Nymph, P. d. l. Speciosa, and Queen of May, \$4.00; Florentina White, and Purple Queen, \$3.00; Delicata, and Sans Souci, \$2.50; Pumbilla and Siberian Blue, \$2.00 per 100. C. S. Harrison's Select Nursery Co., York, Neb.

Iris Germanica in clumps, not divisions, at \$2.00 per 100 if taken at once; to clear space. F. F. Scheel, Shermerville, Ill.

JAPANESE LILIES

Lochner & Co., New York, N. Y.
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KENTIAS.

Boblink & Atkins, Rutherford, N. J.
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 A. Leuthy & Co., Roslindale, Mass.
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LANDSCAPE GARDENING COURSE.
 Home Correspondence School, Springfield, Mass., Dept. 8.
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LILAC

Rouen, 3 to 4 feet, six to fifteen branches, an ideal hedge as it stands, \$10.00 per 100. C. S. Harrison's Select Nursery Co., York, Neb.

LILIES FROM CHINA

R. & J. Farquhar & Co., Boston, Mass.

LILUM HARRISH

F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
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LILUM MULTIFLORUM AND GIGANTEUM

R. M. Ward & Co., New York, N. Y.
 Horse Shoe Brand.
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 Henry F. Michell Co., Phila., Pa.
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MASTICA

F. O. Pierce Co., New York, N. Y.
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MATS FOR COLD FRAMES

Wm. Elliott & Sons, New York, N. Y.
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NICO-FUME

Kentucky Tobacco Product Co., Louisville, Ky.

NIKOTEN APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.

NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.
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 New England Nurseries, Bedford, Mass.
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 W. & T. Smith Co., Geneva, N. Y.
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 Boblink & Atkins, Rutherford, N. J.
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 Bay State Nurseries, North Abington, Mass.

Hardy, Northern Grown Stock.
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McHutchison & Co., New York, N. Y.
 Direct Importations.

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Lochner & Co., New York, N. Y.
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TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS
 Ellwanger & Barry, Rochester, N. Y.

Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$4.00 by Horticulture Publishing Co., 11 Hamilton Place, Boston.

ONION SEED.

Schluder Bros., Chillicothe, O.
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ONION SETS

Leonard Seed Co., Chicago, Ill.
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 For Sale. Winter Onion Top Sets, select stock. A. S. Pett, Crawfordsville, Ind.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
 Fresh Imported and Established Orchids.
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Ordenez Bros., Madison, N. J., Box 108.
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Sander, St. Albans, England.
 Importer, Exporter, Growers, Hybridists.
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Orchids—largest stock in the country. Stove plants and Crotons, finest collection. Julius Roehrs Co., Rutherford, N. J.

Orchid Growers' Manual. By B. S. Williams, 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

Edward V. Low, late of Hugh Low & Co., dissolved, Vale Bridge, Haywards Heath, England. "White" Cattleyas and Choice Cypripediums are leading features.

PALMS, ETC.

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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 Robert Craig Co., Philadelphia, Pa.
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 John Scott, Brooklyn, N. Y.
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Cocos Weddeliana, 2 in., \$1.75 doz.; \$14.00 per 100. 3 in., \$2.50 doz.; \$20.00 per 100.

Cocos Revoluta (Sago Palm), 6 in., 75c. to \$1.00 each.

Kentia, Baltimoreana, 2 1/2 in., 8 in. high, 4 leaves, \$1.50 doz.; \$12.00 doz.; 3 in., 8-10 in. high, 4-5 leaves, \$2.00 doz.; \$15.00 per 100. 4 in., 12-15 in. high, 4-5 leaves, \$3.00 doz.; \$20.00 per 100. 5 in., 18-20 in. high, 5-6 leaves, 75c. each; \$9.00 doz.; 6 in., 20-22 in. high, 5-6 leaves, \$1.00 each; \$12.00 per doz.; 6 in., 26-28 in. high, 6-7 leaves, \$1.50 each; \$18.00 per doz.; 7 in., 28-30 in. high, 6-7 leaves, \$2.50 each; \$20.00 per doz.; 7 in., 40-44 in. high, 6-7 leaves, \$1.75 each; 8 in., 44-45 in. high, 7-8 leaves, \$5.50 each; 9 in., 48-50 in. high, 7-8 leaves, \$8.00 each; 9 in., 50-54 in. high, 7-8 leaves, \$1.00 each.

Kentia Bostonna, 2 1/2 in., \$1.75 doz.; 3 in., \$2.00 doz.; 4 in., \$2.50 doz.; 5 in., \$5.00 doz.; 5 in., 20-24 in. high, 4-6 leaves, 75c. each; \$9.00 doz.; 6 in., 20-25 in. high, 4-6 leaves, \$1.00 each; \$12.00 doz.; 7 in., 30-38 in. high, 5-6 leaves, \$1.50 each; 8 in., 40-42 in. high, \$4.50 each; 9 in., 46-50 in. high, 6-7 leaves, \$7.00 each.

Kentia Bostonna plants, 7 in., 24-30 in. high, 4 in. pot, \$2.50 each; 9 in., 50-54 in. high, 5 in. pot, \$8.00 each; 10 in., 58-60 in. high, 6 in. pot, \$10.00 each; 12 in., 62-70 in. high, 7 in. pot, \$15.00 each.

Letia, 4 in. pot, \$3.00 doz.; \$20.00 per 100.

Palmetto, 4 in. pot, \$2.00 doz.; 4 in. pot, \$2.50 doz.; 5 in. pot, \$5.00 each; \$40.00 doz.; 6 in. pot, \$10.00 each; \$12.00 doz.

Phenax, 4 in. pot, 36-40 in. high, \$2.50 each; 10 in. pot, 50-54 in. high, \$8.00 each; 10 in. pot, 60-64 in. high, \$10.00 each.

Phenax Redheart, 5 in. pot, 50c. each; \$5.00 doz.; 6 in. pot, 75c. each; \$9.00 doz.

Phenax Redheart, 2 1/2 in. pot, \$2.00 doz.; \$15.00 per 100. 3 in. pot, \$3.00 doz.; \$22.50 per 100. 5 in. pot, \$9.00 doz.; \$70.00 per 100. 6 in. pot, \$20.00 each; 7 in. pot, \$25.00 each.

Areca Lutescens, 3 in. pot, 3 plants in a pot, \$2.00 doz.; \$15.00 per 100. 7 in. pot, 4-5 plants in a pot, 36 in. high, \$3.00 each; 8 in. pot, 5-6 plants in a pot, 60-64 in. high, \$5.00 each.

THE GEO. WITTROLD CO.,
 Edgemoor, Chicago, Ill.

PALMS, ETC.—Continued

Julius Roehrs Co., Rutherford, N. J.
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Joseph Heacock, Wyncote, Pa.
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Lochner & Co., New York, N. Y.
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PANSIES

Giant pansy plants of our None Superior strain, the world's best, 50c. per 100; \$3.00 per 1000. Cash. M. B. Saunders Co., 25 Burnett, Providence, R. I.

We offer seedlings of Giant Pansies, mixed, Calliopsis grandiflora and Sweet Williams at 35c., 100; \$2.75, 1000. Strong June sown double Hollyhocks, separate colors, 75c., 100; \$5.00, 1000. Asparagus Sprengeri seedlings, strong, \$1.00, 100; \$8.00, 1000. Russell Bros., Syracuse, N. Y., Route 4.

PAPER POTS

Paper Pots: 5000 3 in., \$5; 2 1/2 in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
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PEACH TREES

Warren Shinn, Woodbury, N. J.

PECKY CYPRESS BENCHES

Foley Mfg. Co., Chicago.
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 A. T. Stearns Lumber Co., Boston, Mass.
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PEONIES

W. L. Gumm, Remington, Ind.

Send for surplus list. C. S. Harrison's Select Nursery Co., York, Neb.

PEONIES—1200 sorts, an enormous stock list ready. C. Betscher, Canal Dover, O.

Peonies in any quantity. Write for prices on list of your wants. Gilbert H. Wild, Sarcoize, Mo.

"Fragrans," late dark pink, large divisions, \$6.00 per 100, \$50.00 per 1000. Chas. Gendry, Freeport, L. I., N. Y.

Peony Chincensis—divisions, 2 to 3 eyes. Humel late pink and Hortense, Tyrian red \$3.00 per 100; Festiva alba, early white, Duchess de Orleans, early pink, Comte de Jussier very early white and sulphur, \$5.00 per 100. Cash with order. Thomas J. Oberlin, Sinking Spring, Pa.

Peonies, 50,000 in fine named varieties. Festiva Maxima, \$10.00 per 100; \$90.00 per 1000. Queen Victoria, \$7.00 per 100; \$60.00 per 1000. Other varieties, including Baroness Schroeder, Couronne d'Or, Duc de Wellington, Felix Crousse, Floral Treasure, Golden Harvest, Jenny Lind, Livingstone, Marie Lemoine, Mme. Calot, Mons. Dupont, Model of Perfection, Mont Blanc, Princess Beatrice and 50 other choice varieties. List free. Peonies in mixture, unnamed sorts, fine for bedding. Mixed pink, all shades, \$6.00 per 100, \$50.00 per 1000. Mixed white, all shades, \$8.00 per 100, \$70.00 per 1000. Mixed red and crimson, all shades, \$7.00 per 100, \$60.00 per 1000. A fine mixture, all colors, \$3.00 per 100, \$25.00 per 1000. E. Y. Teas & Son, Centerville, Ind.

PETUNIAS

Petunias (Dreer's), mixed, 2 1/2 in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

PHLOX

Pyramid, Zouave and Zantippe, \$5.00 per 100. C. S. Harrison's Select Nursery Co., York, Neb.

PHOTOGRAPHS

I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan R. Graves, 414 Hayward Bldg., Rochester, N. Y.

PLANT STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
 "Riverton Special."

PIPE AND FITTINGS

Foley Mfg. Co., Chicago.

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Kroeschell Bros., Co., 486 Erie St., Chicago.
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Metropolitan Material Co., Brooklyn, N. Y.

POT HANGERSPot hangers, Kramer's \$1 doz. by exp.,
\$1.25 by mail. I. N. Kramer & Sons, Cedar
Rapids, Iowa.**PRIMULAS**Primulas Chinese, fine plants 2 1/2 in.
\$2.00 per 100; 300 for \$5.00. J. C. Schmidt,
Bristol, Pa.**PRIMULA MALACOIDES**Arthur T. Boddington, New York, N. Y.
For page see List of Advertisers.**PRIVET**Ridley Park Nurseries, Ridley Park, Pa.
For page see List of Advertisers.California Privet, any quantity, size, age.
Others say ours is the best grown. Write
for prices; also on shrubbery, ornamentals,
fruit trees, asparagus, etc. Franklin Davis
Nursery Co., Baltimore, Md.**RHODODENDRONS**

P. Ouwerkerk, Hoboken, N. J.

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Boblink & Atkins, Rutherford, N. J.
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S. S. Pennock-Meehan Co., Philadelphia, Pa.

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ROSESRidley Park Nurseries, Ridley Park, Pa.
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Robert Craig Co., Philadelphia, Pa.

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W. & T. Smith Co., Geneva, N. Y.

American Grown Roses.

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Bay State Nurseries, North Abington, Mass.
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Wood Bros., Fishkill, N. Y.

Own Root Roses.

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Eastern Nurseries, Jamaica Plain, Mass.
New Roses Originated by Jackson Dawson.

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S. S. Pennock-Meehan Co., Phila., Pa.
New Roses for 1912.

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SEED GROWERSBraslan Seed Growers Co., San Jose, Cal.
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Joseph Breck & Sons,

51 and 52 N. Market St., Boston, Mass.
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Michell's Colossal Mignonette.

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W. Atlee Burpee & Co., Philadelphia.
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Arthur T. Boddington, New York

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R. & J. Farquhar & Co., Boston, Mass.
Flower Seeds for the Florist.

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J. M. Thorburn & Co., 33 Barclay St., N. Y.
Asparagus Plumosus Nana Seeds.

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Fottler, Fliske, Rawson Co., Boston, Mass.
Antirrhinum Seeds.

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Leonard Seed Co., Chicago, Ill.
Peas, Beans, Radish and all Garden Seeds.

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Wm. Elliott & Sons, New York.
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James Vick's Sons, Rochester, N. Y.

All Leading Varieties of Seeds

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Skidelsky & Irwin Co., Philadelphia, Pa.

Giant English Cyclamen and Mignonette.

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The W. W. Barnard Co., Chicago, Ill.

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J. Bolgiano & Son, Baltimore, Md.

Rye Grass Seed, New Crop

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Moore Seed Co., Philadelphia, Pa.

New Crop Giant Cyclamen Seed

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Hjalmar Hartmann & Co.,

Copenhagen Denmark

Camellflower and Cabbage Seed

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SHEET MOSSThe very best quality obtainable. For
early orders we will offer inducive prices.
Jones, The Holly Wreath Man, Milton,
Delaware.**SPHAGNUM MOSS**

S. S. Pennock-Meehan Co., Phila., Pa.

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The W. W. Barnard Co., Chicago, Ill.

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Joseph B. Townsend, Berlin, N. J.

Moss, Peat, etc.

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Live Sphagnum moss, orchid peat and
orchid baskets always on hand. Lager &
Hurrell, Summit, N. J.Ten bales sphagnum moss, \$7.00. Z. K.
Jewett Co., Sparta, Wis.**SPRAYERS**

Chas. J. Jager Co., Boston, Mass.

STEVIASStevias, 2 in., cut back once, \$3.00 per 100,
cash. M. B. Saunders Co., 25 Burnett St.,
Providence, R. I.**STOVE AND GREENHOUSE PLANTS**Asparagus Leaves, 4 in. pots, 4 doz.,
50¢ each; \$2.00 doz.Asparagus Plumosus, 2 in. pot, \$3.00 per
100; 4 in. pot, \$10.00 doz; \$8.00 per doz.Asparagus Scandens Deflexus, 4 in., \$1.50
doz.Asparagus Sprengeri, 4 in., 500¢ (1000
rated), \$1.50 doz; \$10.00 per 100; \$8.00 M.
Chrysanthemum Plants.White Garza, 5 in., \$7.00 doz; 6 in., \$4.00
doz.Large double yell. w. Pompons, 5 in., \$7.00
doz; 6 in., \$10.00 doz.Small double yellow Pompons, 5 in., \$3.00
doz; 6 in., \$10.00 doz.Crotons, 2 1/2 in., \$1.00 doz; 3 in., \$1.50 doz;
4 in., 25¢ each; 5 in., 30¢ each.7 in., 4 in. 1 pot, \$7.50 to \$10.00 each.
Dracena Fragrans, 2 1/2 in., \$1.70 doz;
3 in., 2.00 doz;4 in., 3.00 doz;
5 in., 5.00 doz;Dracena Indivisa, 2 in., \$2.00 per 100,
\$25.00 M.; 7 in., 2 1/2 ft. high, \$125.00
\$150.00 doz.Dracena Massingiana, 6 in., \$1.50 each;
Dracena Torreyana, 6 in., 1.00 each;Eucalyptus Alata, 6 in., 1.00 each;
leaf, 2 1/2 in., 50¢ doz; 3 in., 75¢ doz;doz; 6 in., 50¢ doz; 8 in., 80¢ doz;
Ivy, English, 7 in., 75¢ doz; 8 in., 80¢ doz;Jernstedt Cherry, 5 in., \$2.00 doz; 6 in.,
per 100; 6 in., \$8.00 doz;Primula Obconica, 3 in., \$6.00 per 100;
Rubbers, Flens Elastica, 6 in., 1.00
\$6.00 doz;Pons Repens, 2 1/2 in., 50¢ doz; 3 in.,
Sinseveria, 4 in., 20¢ each; \$2.25 doz;Schima Aubertissimum, 6 in., 1.00 each;
plants, 50¢ each; \$7.00 doz;Tradescantia Virginica (Wardera), 2 in.,
2 in., 10¢ doz; \$2.00 per 100.THE GEO. WITTEBOLD CO.
Edgebrook, Chicago, Ill.**STRAWBERRY PLANTS**

Warren Shinn, Woodbury, N. J.

SWEET PEASArthur T. Boddington, New York, N. Y.
Christmas and Winter Flower Seeds.
For page see List of Advertisers**SWEET WILLIAMS**Sweet Williams: Holborn Glory; Dun-
letti's crimson, violet, white and other
fine colors, mixed. August sown seedlings,
good stock, 25¢ per 100; \$2.00 per 1000.
Cash. Milling, 10¢ per 100.

C. J. Annis, Ansonia, Conn.

TREE RENOVATIONJohn T. Withers, Inc., Jersey City, N. J.
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Hjalmar Hartmann & Co.,

Copenhagen, Denmark.

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Lochner & Co., New York, N. Y.

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VEGETABLE PLANTS

Fox Hall Farm, Norfolk, Va.

Lettuce, Cabbage and Lettuce Plants

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FOR SALE: Pepper Plants in Pots.
E. M. Briggs, P. O. Box 15, West Lynn,
Mass. Boston Street, Pine Hill.**VENTILATING APPARATUS**

Foley Mfg. Co., Chicago.

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The Advance Co., Richmond, Ind.

Improved Ventilator Arm.

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VINCAS

VINCA VARIEGATA.

Strong held growth, \$4.00 per 100,
Vern L. Schmidt, Erie, Pa.**VIOLETS**

GOV. HERRICK VIOLETS.

Strong 4 in., \$5.00 per 100

Will exchange for Princess of Wales
Vern L. Schmidt, Erie, Pa.Violets, 10,000 fold chirps. Lady Camp-
bell, \$4.50 per 100; Princess of Wales,
\$5.00 per 100. Ready now. Cash, please.
A. B. Campbell, Cochranville, Pa.**WIREWORK**

Reed & Keller, 122 W. 25th St., N. Y.

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J. Jansky, Boston, Mass.

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Wirework. Write for our catalogue.
Hilton & Hunkel Co., Milwaukee, Wis.William E. Heller's Wire Works, 38-40
Broadway, Detroit, Mich.**WIRED TOOTHPICKS**

W. J. Cowee, Berlin, N. Y.

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WOOD PRESERVATIVEConservo Wood Preservative doubles the
life of all exposed lumber. Preserves
benches, posts, sills or planking. Costs
3¢ a stick, and saves ten times its cost.
Samuel Cabot, Inc., Mfg. Chemists, Bos-
ton, Mass.**WHOLESALE FLORISTS**

Boston

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N. E. McCarthy & Co., 84 Hawley St.

Welch Bros., 226 Devonshire St.

H. M. Robinson & Co., 15 Province St.
and 9 Chapman Pl.

Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.
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Chicago

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Peter Reinberg, 51 Wabash Ave.

Bohlmann Bros. Co., Morton Grove, Ill.

J. A. Rudlong, 37-39 Randolph St.
Chicago Flower Growers' Association,
176 N. Michigan Ave.

Cincinnati, Ohio

The J. M. McCullough's Sons Co., 316
Walnut St.

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Cromwell, Conn.

A. N. Pierson, Cromwell, Conn.

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Detroit

Michigan Cut Flower Exchange, 38 and 40
Broadway

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In writing to Advertisers kindly mention Horticulture

THE NEW MINERAL FERTILIZER

Will produce

MORE

and

LARGER FLOWERS

and of better color than any plant food ever put on the market.

Contains all of the original elements of virgin soil



The above cut shows hollyhocks, nine feet six inches high, with more blossoms and of better color than ever produced by any other fertilizer.

Write for catalogue and testimonials.

THE NEW MINERAL FERTILIZER CO.

19 EXCHANGE PLACE,
BOSTON, MASS.

To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

Use any form you choose but buy it of

E. H. HUNT, 131 N. Wabash Avenue, Chicago

WHOLESALE FLORISTS—Continued New York

M. C. Ford, 121 W. 28th St., New York
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H. E. Froment, 57 W. 28th St., New York
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E. C. Horan, 55 W. 28th St., New York
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James McManus, 55 W. 28th St., New York
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162 Livingston St., Brooklyn, N. Y.
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Frank Millang, New York, N. Y.
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Traendly & Schenck, New York, N. Y.
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Badgley, Riedel & Meyer, Inc., New York
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A. Moltz & Co., New York, N. Y.
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Siebrecht & Siebrecht, 126 West 28th St.,
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Philadelphia

Leo Nielsen Co., 120 Arch St., Phila., Pa.
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The S. S. Pennock-Meehan Co., 1608-12
Ludlow St., Philadelphia, Pa.
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Rochester, N. Y.

George B. Hart, 24 Stone St.
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Will

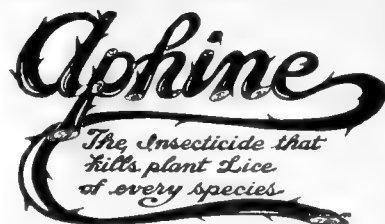
DESTROY

all

INSECT LIFE

that preys on
plants under
glass.

It is a plant food
and not a stimulant



Just the remedy for the black aphid on chrysanthemums—red spider and thrips on carnations—green fly on roses—mealy bug on gardenias and crotons—scale on ferns, palms and other decorative stock.

\$2.50 per gallon, \$1.00 per quart.

FUNGINE

Fungine has no equal for carnation rust, rust on chrysanthemums and mildew on roses.

\$2.00 per gallon, 75c. per quart.

There is but one convincing way for you to become familiar with the merits of Aphine and Fungine, and that is test them out yourself—it will prove worth your while.

MANUFACTURED BY

APHINE MANUFACTURING COMPANY
MADISON, N. J.

Imp Soap Spray

Clean and odorless. Forms invisible films.
Non-corrosive. Usual effective strength, one to thirty-two.

Single gallons, \$1.50
In barrels, \$1.00

Eastern Chemical Company
Pittsburg Street
BOSTON



The Best Bug Killer and Bloom Saver

For PROOF
Write to

P. R. Palethorpe Co.
OWENSBORO, KY.

KILMDEAD

The best of all
the tobacco
dusts for



Holds Glass
Firmly
See the Point at
PERLESS

Glazing Points are the best.
No rights or lefts. Box of
1,000 points 75c. postpaid.
HENRY A. DREER,
114 Chestnut St., Phila., Pa.

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Fumigating

25 lbs. \$1.00 100 lbs. \$ 8.00 1000 lbs. \$27.00
50 lbs. 1.75 500 lbs. 14.00 2000 lbs. 52.50

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New York, N. Y.

Cattle Manure in Bags Shredded or Pulverized



Pure—dry—uniform and reliable.
The best of all manures for the
greenhouse. Florists all over the
country are using it instead of
rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure
on the market. Pure manure and nothing
else. The best fertilizer for carnations and for
liquid top-dressing. Unequalled for all field use.
Write for circulars and prices.

The Pulverized Manure Company
Union Stock Yards Chicago

Wilson Plant Oil & Fertilizer Company

150 Nassau Street, NEW YORK CITY
Horticultural Supplies

Write for our special Catalogue

Cocoanut Fiber Soil

is being sought after by all growers.
Cover your lawns this fall and next
summer you can have a green one.

20th CENTURY PLANT FOOD CO.,
27 Ocean St., Beverly, Mass.

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P. E. Conine Nursery Co., Stratford, Conn.
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PEONIES, PHLOX, IRIS, DAHLIAS, ARAUCARIAS.

Henry A. Dreer, Inc., Philadelphia, Pa.
For page see List of Advertisers.

THE NIESSEN OPENING.

We wish we had a picture of that fine new eight-story building at Twelfth and Race that the Niessens have put up and have just moved into. It is an ornament to the city and a monument to the enterprise of this progressive concern. The migration took place as scheduled, Sept. 25th. Ever since the firm has been busy shaking hands and reading letters of congratulation. We hasten to place ourselves in line and to wish our friends health, wealth and prosperity and we rejoice with them in this outward token that merit has met its just reward. Leo Niessen the younger of the business, is so blushingly modest that we refrain from throwing him the usual bouquets. Arthur Niessen, one of the brothers who has done a big lot to do in building up the business, would like to say some things about but he gives out no more and is deathly afraid of compliments. The minute you expend your warm smile on him he freezes up and says nothing; but you can wait, the means there's that champagne and ad. So we will say nothing about him either.

There's the older brothers, Arthur and the captain, that was tall about, and Charlie and the and Cy Morgan also, but they are such gluttons at swallowing compliments and anything else that get their way that we must pass them up as inappropriate matter for this article. The only thing left outside of foolish statistics to speak about is the

Landscape Gardening



PROF. CRAIG

A course for Home-makers and Gardeners taught by Prof. Craig and Prof. Batchelor, of Cornell University. Gardeners who understand up-to-date methods and practice are in demand for the best positions. A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250 page catalogue free. Write to-day

The Home Correspondence School

Dept. H, Springfield Mass.

SITUATIONS WANTED

GARDENER AND FLORIST on private place; good propagator and florist, single, middle-aged, Scotch. Massachusetts preferred. Best references. X T, care HORTICULTURE.

FOR SALE

FOR SALE—Florists palm wagon for 1 or 2 horses. In good condition Vern L. Schuraff, Erie, Pa.

FOR SALE—Fresh from factory, new 10 x 12, 16 x 18, 16 x 24, double thick, A and B qualities. Market dropped. Now is the time to buy and save money. Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.

FOR SALE—Two water tube boilers, 100 H. P. each, Heine type; three tubular boilers, 66 inches by 18 feet; perfect condition and cheap. Armstrong Mfg. Co., Springfield, O.

MISCELLANEOUS

TO EXCHANGE OR SELL 2 in. 2 1/2 in. 3 in. Primulas and Sprangeri Seedlings; or 2 1/2 in. for field grown Vinca var. Primula chinensis. Violets or Gladiolus Bulbs. The East Lawn Gardens, Urbana, Ohio.

WANTED TO RENT: Greenhouse, with some land in good town in Northern Ohio, Indiana, or Illinois; not too far from railroad. Will lease for term of years with privilege of buying. Kindly give full particulars in first letter. Address "Florist," 308 Church St., Flint, Mich.

free light of the sun that is let in on the buying floor. No more passing off pink for orange. No more substituting the "just as good," no matter how plausible the salesman. And no cun-ning on the part of the grower with rubber bands and invisible wires will go undetected on split carnations. The "Daylight Store" has at last arrived. G. C. WATSON.

NEWS NOTES.

Boston, Mass.—H. M. Robinson & Co. have installed new ice chests and renovated their establishment throughout.

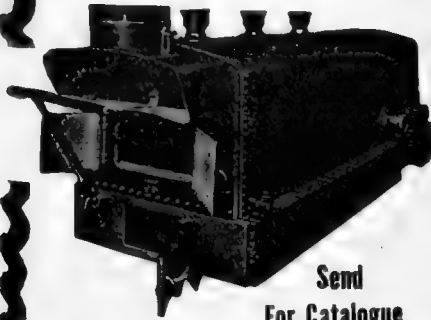
Waukesha, Wis.—The Milwaukee Electric Railway and Light Co. have purchased the greenhouses and property of Thos. Weaver & Son.

Harrisburg, Pa.—The Board of Commissioners of State College rejected all bids for construction of the new horticultural building at the college, as the appropriate bid had been exceeded. New bids will be asked.

New York, N. Y.—A. J. Garman has reentered the wholesale cut flower business at 55 and 57 West 26th street.

The Wilson Plant Oil & Fertilizer Co. will soon remove its office from 150 Nassau street, New York City, to Springfield, N. J.

What the Users say



Send
For Catalogue

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Half the Coal and Half the Work.

"Your No. 13 boiler is carrying 25,000 sq. ft. of glass and I can keep it at 60 degrees in the coldest weather without any trouble. I have three other types of boilers also heating a range of 25,000 sq. ft. of glass, but the No. 13 Kroeschell Boiler ONLY TAKES HALF THE COAL and half the work to get the same results."

J. G. FRISZ, Vincennes, Ind.
P. S.—Mr. J. G. Frisz, of Vincennes, Ind., has the largest range of glass in Indiana devoted to vegetable forcing.

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FOR "POT LUCK" TRY US... HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

WRITE FOR CATALOGUE AND DISCOUNTS

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LONG ISLAND CITY, N. Y.

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Main Office and Factories
CAMBRIDGE, MASS.



DREER'S
Florist Specialties.
New Brand New Style.
Hose "RIVERTON"
Furnished in lengths up
to 500 ft. without seam or
joint.
The HOSE for the FLOWST
1/4-inch, per ft., 15 c.
Reel of 500 ft., 14 1/2 c.
2 Reels, 1000 ft., 14 c.
3/4-inch, 13 c.
Reels, 500 ft., 12 1/2 c.
Couplings furnished.
HENRY A. DREER,
714 Chestnut St.,
PHILADELPHIA, PA.

KING GREENHOUSES

THE BEST IS NONE TOO GOOD FOR YOU, SO
GET THE BEST. WRITE FOR OUR BULLETINS
AND QUESTION BLANKS. EXPRESS YOUR
REQUIREMENTS.

KING CONSTRUCTION CO.

Home Office and Factory
N. TONAWANDA
N. Y.

Eastern Sales Office
No. 1 MADISON AVE.
NEW YORK

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Send your business direct to Wash ngton.
Saves time and insures better service.
Personal attention guaranteed.
Twenty-five years' active service.
SPECIALTY: "Working on the Failures
of Others."

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PATENT LAWYERS

Box 9, National Union Building
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ALL THE CLAY FOR OUR

Florist' Red Pots
is prepared by passing
through a screen 1600 meshes
to the square inch. If in a
hurry for pots, order from us.
THE PETERS & REED POTTERY CO.
Zanesville, Ohio

Greenhouse Material and Sash Of Every Description

Get our Prices and Catalogue.

S. JACOBS & SONS
1359-1385 Flushing Ave.
Est. 1781. BROOKLYN, N. Y.

1000 READY PACKED CRATES STANDARD FLOWER POTS AND BULB PANS

can be shipped at an hour's notice. Price

per crate:									
2000	1 1/4	in.	@	\$8.00	500	4	in.	@	\$4.50
1500	2	"	"	4.88	456	4 1/2	"	"	5.24
1500	2 1/4	"	"	5.25	320	5	"	"	4.51
1500	2 1/2	"	"	6.00	210	5 1/2	"	"	3.78
1000	3	"	"	5.00	144	6	"	"	3.16
800	3 1/2	"	"	5.80	120	7	"	"	4.20
					60	8	"	"	3.00

HILLFINGER BROS., Pottery, Fort Edward, N. Y.
August Roiker & Sons, 31 Barclay St., N. Y. City Agents.
OUR SPECIALTY—Long distance and export trade.

Syracuse Red Pots

"A little pot is soon hot," likewise a thin pot. This
will save you fuel. Our pots are the thinnest and
toughest owing to the superior quality of the clay.
New price list on application.

Syracuse Pottery Co., SYRACUSE
N. Y.

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of
the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts.,

Washington, D. C.



Mastica is elastic and tenacious, admits of ex-
pansion and contraction. Putty becomes hard
and brittle. Broken glass more easily removed
without breaking of other glass as occurs with
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apply.

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Greenhouse Glass

GERMAN AND AMERICAN

261 to 287 A St. BOSTON 20 to 22 Canal St.

In ordering goods please add "I saw
it in HORTICULTURE"

In ordering goods please add "I saw
it in HORTICULTURE."

LOUISIANA RED CYPRESS GREENHOUSE MATERIAL

STEEL GUTTERS, TRUSSES,
PURLINS, PIPE, FITTINGS, GLASS,
Etc.

PRIVATE AND CONSERVATORY
WORK A SPECIALTY.

The Foley Manufacturing Co.
Western Ave. and 26th St., CHICAGO

GLASS

"Cheap as Dirt"

Have you had any prices on green-
house glass, lately?

Write us at once for our quotations.
We'll surprise you.

Take advantage of the drop and book
orders for future deliveries.

Our glass all new and fresh from
factory.

Hot-bed sash and greenhouse mater-
ial, dropped too.

PARSHELSKY BROS., CO.
80 Montrose Ave., BROOKLYN, N. Y.

CYPRESS SASH BARS HOT BED SASH PECKY CYPRESS BENCH LUMBER GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

The A. T. STEARNS LUMBER CO.
NEPONSET, BOSTON, MASS.

It Stands to Reason



that a Ventilating Apparatus
that is roller-bearing and
self-oiling, durable and sim-
ple, will give perfect satis-
faction.

The ADVANCE APPA-
RATUS combines all of
these features and others of
importance.

Write for descriptions
and prices.

THE ADVANCE CO., Richmond,
Ind.

GREENHOUSE CONSTRUCTION LUMBER

John C. Moninger Co.

117 E. Blackhawk St., CHICAGO.

The FLORISTS' HAIL ASSOCIATION
OF AMERICA, insurer of 32,500,000
sq. ft. of glass. For particulars address
John C. Esler, Sec'y Saddle River, N. J.



Special Sash Offer Expires October 6th

Up to that time you can buy our "Sash That Last"
at a special price in lots of 25, 50, 100. After the
6th they will cost you the regular price. Money saved
you know is money made. Here is your chance to
do both. 25 sash for \$1.05 each—50 sash for
\$1.02½ each—100 sash for \$1.00 each.

We have been making them by the
thousand lately and can ship small
or large lots promptly.

Lord and Burnham Co.

FACTORIES: IRVINGTON, N. Y. -- DES PLAINES, ILL.

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NOW IS THE TIME TO BUY

FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St.

BOSTON, MASS.

61-63 Portland St.

SHARP, PARTRIDGE & CO.

Are Leaders in

GREENHOUSE GLASS

OUR PRICES WILL PROVE THIS.

CHICAGO, ILL.

When Writing to Advertisers Please Mention
HORTICULTURE.

GOOD JOBS FOR GOOD MEN



THE growing importance of the horticultural trades is strikingly shown by the demand for trained men who are familiar with the greenhouse, nursery and seed businesses. We could use, or place with our clients, at least a dozen good men if we knew where to find them. Some of the openings that offer unusual opportunities, details concerning which can be obtained by writing us, are as follows:

COPY MEN. For our own staff. The first requirement is the ability to write clear, concise, convincing English and consequently experience on a daily paper is almost necessary. Another essential is love of the things that grow and a successful record in growing plants, trees and shrubs, commercially or otherwise. Further, it is highly desirable to have had training in the sales department of some business preferably, of course, in one the product of which is sold to the classes of people who buy fruits or ornamentals. Only young men can be considered, and good health, clean habits, ability and willingness to do a lot of hard work, are some of the necessary qualifications.

PARTNER IN NURSERY.—For one of the best greenhouse and nursery plants in the country—50,600 feet of glass and 130 acres. A competent man who possesses good business ability will be sold a half interest at a fair price and on reasonable terms. Locality is unexcelled for growing many kinds of nursery stock.

CORRESPONDENCE CLERK.—For leading nursery, growing fruit and ornamental trees, etc., in large quantities, and selling both at retail and wholesale. The business of this firm is growing by leaps and bounds, and there is no better opening for a young man of energy, adaptability and some experience in the right line.

OFFICE MANAGER.—For another prominent firm of nurserymen. A man who knows book-keeping, office systems, filing methods, etc., and who is thoroughly up-to-date, will find this the chance of a lifetime. "Has beens" and fellows who know it all need not apply, however,—a "live wire" with executive ability is required.

SHIPPING FOREMAN.—For great eastern fruit-tree nursery. A fine position for men of good habits and clear record. No booze-fighters or lazybones will be considered. Knowledge of varieties and of good and bad trees an absolute essential—also ability to handle and hustle men.

Write us fully if any of these openings appeal to you.
Your communications will have prompt attention.

The McFARLAND PUBLICITY SERVICE

Specialists in Horticultural Advertising
HARRISBURG, PENNSYLVANIA

HORTICULTURE

Vol. XIV.

OCTOBER 7, 1911

No. 15

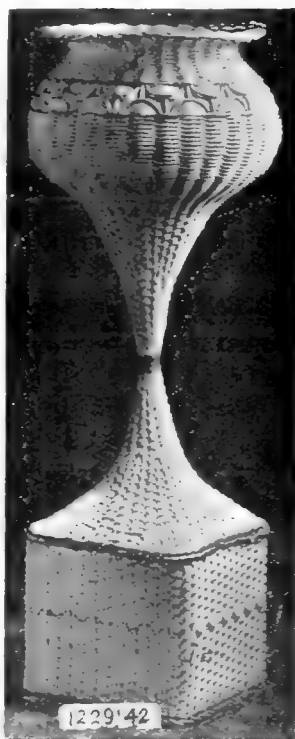


DECORATIVE DAHLIA GOLDEN WEST

*Devoted to the
FLORIST, PLANTSMAN,
LANDSCAPE GARDENER,
and
Kindred Interests*

*Published
EVERY SATURDAY
At 11 Hamilton Place,
BOSTON, MASS.
Subscription, \$1.00*

"IT'S RICE FOR QUALITY AND PRICE."



ALTAR VASE No. 1229.

Wedding Whispers

CUPID IS ON THE JOB.
MARRIAGE LICENSE
CLERKS ARE RUSHED
TO DEATH. ASK US
THE RIGHT WAY TO
GET MARRIED. WE
KNOW.

M. RICE & CO.

The Leading Florists' Supply House
and Ribbon Specialists

1220 Race Street, PHILADELPHIA
CATALOGUE ON REQUEST.

AT THE BALTIMORE CONVENTION

WE RECEIVED MORE AWARDS FOR
RIBBONS, CHIFFONS AND CORSAGE ACCESSORIES
THAN ALL OTHER EXHIBITORS COMBINED

We do not emphasize this in a boastful spirit but to prove that our claims are substantiated by those competent to judge.

It will be to your interest to keep constantly in touch with our line.

Wertheimer Brothers, 565-567 BROADWAY, New York
At Prince Street

The National Floral Ribbon House

Boston Ferns

4 1/2 inch from bench.....Each 10c
3 1/2 inch from bench.....Each 7c
2 1/2 inch from bench, \$30.00 per 1000.....Each 3c

Nephrolepis Whitmanii

2 1/2 inch.....\$5.00 per 100 \$40.00 per 1000

Nephrolepis Magnifica

2 1/2 inch.....\$5.00 per 100
3 1/2 inch.....\$5.00 per 100

We Stand Back of Our Goods and Guarantee Safe Arrival of Shipments to All Parts of United States and Canada.

HENRY H. BARROWS & SON
Whitman, Mass.

Box Trees

and other EVERGREENS for Tubs and Boxes

Our Prices are Always Right—Catalog Free

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BEDFORD, MASS.

DIRECT IMPORTATIONS

Bay Trees, Kentias, Azaleas, Valley Lilies, Roses, Rhododendrons, Boxwood, Manetti, Evergreens, Jap. Lilies, Raffia, etc., etc.

Nursery stock from France, Holland, England and Japan.

McHutchison & Co. 17 Murray St.
New York, N. Y.

Araucaria Excelsa

5 in., 3 to 4 tiers, 40c. and 50c.; 5 1/2 to 6 in., 4, 5 and 6 tiers, 60c., 75c. and \$1.00; 7 in., 25, 30, 40 and 50 in. high, for lawns and porches, \$1.50 to \$2.00.

Cash with order, please.

Godfrey Aschmann

Wholesale Grower, Shipper and Importer of Pot Plants.

1012 West Ontario St.,
PHILADELPHIA, PA.

In writing to Advertisers kindly mention Horticulture

CANNAS

We have an excellent prospect of a fine crop of roots for next season delivery, at \$2.00 per 100, \$15.00 per 1000, and up. Can furnish you 50,000 roots of some kinds.

DAHLIAS

200,000 field clumps at \$5.00 per 100, \$40.00 per 1000 and up. Write us for list. Let us book your order so as to be sure of the varieties.

READY FOR IMMEDIATE SHIPMENT

	2 in. per 100	3 in. per 100		2 in. per 100	3 in. per 100
Alyssum, Giant Double.....	\$2.00	...	Lemon Verbena.....	2.00	3.00
Achyranthus, Emersoni.....	2.00	\$3.00	Lantana, 10 Varieties.....	2.00	3.00
Alternanthera, 6 varieties.....	3.00	4.00	Moonvines, Northlora.....	2.00	3.00
Alternanthera, Jewell.....	2.00	...	Petunias, Double Mixed.....	2.00	3.00
Coleus, Golden Bedder, Verschaffeltii.....	3.00	4.00	Salvia, Bonfire and Zurich.....	2.00	3.00
Coleus, Brilliance.....	3.00	4.00	Senecio Scandens, Parlor Ivy.....	2.00	3.00
Geraniums, Standard Varieties.....	2.00	3.00	Swainsona, Alba.....	2.00	3.00
Heliotrope, Chieftain.....	2.00	3.00	Tradescantia, Zebrina multicolor.....	3.00	...

R. VINCENT, JR., & SONS CO., White Marsh, Md.
Growers of Plants for the Trade

NEW ROSES

Originated by Jackson
Dawson

Lady Duncan, Dawson, Daybreak, Farquhar, William Egan
and Minnie Dawson

WRITE FOR PRICES

We carry a very large stock of Fine Conifers, Deciduous Trees
and Shrubs and Hardy Herbaceous Perennials

Send for Our New Illustrated Catalogue

EASTERN**NURSERIES**

Henry S. Dawson, Mgr.

JAMAICA PLAIN, MASS.

Alternanthera Jewel

Stock Plants, 2½ inch, \$20.00 per 1,000
Rooted Cuttings, . . \$10.00 per 1,000

This is by far the finest Alternanthera in sight and you should stock up now for Spring sales.

CHARLES H. TOTTY

Madison, N. J.

ROSES

OWN ROOT—FINE STOCK

White Killarney } from 3 in. pots . . \$8.00
Richmond }
Pink Killarney, Chatenay, Kaiserin,
Perles, Sunrise, Sunset, from 3
inch pots . . \$8.00
Bride, Bridesmaid, Golden Gate.
\$60.00 per 1,000, \$7.00

GRAFTED

Fine Stock, 3 inch pots
Pink Killarney, White Killarney, Bride,
Bridesmaid, Kaiserin, My Maryland.
\$15.00 per 100

CARNATIONS

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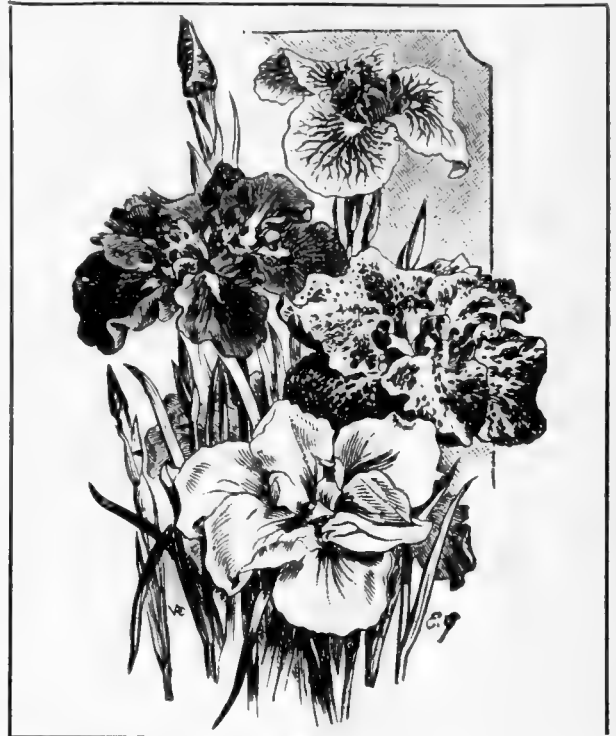
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Seasonable Notes on Culture of Florists' Stock

ANTHEMUMS

One of the best crops to follow the early and medium chrysanthemums is a sowing of the improved large-flowering snapdragons. Plants propagated from cuttings or seed last spring and occasionally shifted into larger pots will make promising stock for indoor planting. Where they have been grown under field culture the sooner planted now the better. After planting be particular to give soil or water to wet the ball thoroughly. In a week or ten days they will be making new and active roots in the pot so it is essential to keep the soil evenly moist. The beds should be slightly loosened up and entirely free of weeds at all times. Disbudding and keeping the shoots supported to ensure straight stems should receive attention as soon as they require it. Give them a temperature as near 50 degrees at night as possible and let them run up to 65 or 70 degrees in the day time with sunshine. The aphids must be kept in check for they are very difficult to eradicate when once they get the upper hand, so give light and regular fumigation. Ventilate as much as possible day and night until cold weather.

BULB PLANTING FOR OUTSIDE

The planting of hardy bulbs can be done any time from now until the middle of November. In the more northern States the earliest date is the best, but in the latitude of Massachusetts and Connecticut from October 10th to the 20th will be sufficiently early, and for further south correspondingly later will do. All bulbs with but few exceptions, like well drained soil. Any beds or borders with ten to eighteen inches of good soil will grow fine flowers. Use plenty of well-decayed manure, always avoiding fresh manure. To prevent successive freezing and thawing give them a mulch of leaves or straw manure and lay on a few evergreen boughs so it will not blow away.

CARE OF VANDAS

These orchids will need the utmost attention now in the way of ventilation. At this season there will be times which will demand them of much ventilation, so give them all possible when climatic conditions are right outside. Keep reducing your shading so that by November they will be having the direct solar rays which are so essential for their welfare. These orchids will require quite a supply of water even during the winter and should on no account suffer from drought. Now that fire heat will be used see that the atmosphere does not become too arid or dry, for in their native habitats during the resting or dry season they are refreshed by heavy dews at night. At this period of the year syringe them overhead on all bright mornings so that they will have time to dry out before the afternoon. Vandas will stand a low temperature, but if during the winter they are held from 60 to 65 at night, with ten degrees higher during the day, they come out with better tissue and constitution.

VIOLETS

There is no cut flower crop so apt to be ruined in so brief a space of time as the violet. We should now re-

double water if necessary to meet any sudden rising or falling in temperature, cold rains, shifting winds, chilly or overwarm nights. Watering should always be done in the morning and only on bright days, so that the foliage may be dry before night, for if the water lies on the foliage over night the leaves will become the seat of a fungous growth that will ruin your crop. Give the beds an interval of time between waterings to ensure drying out of the soil, and sweetening by stirring and a couple of days exposure to the sun and air. Keep the plants free of dead or diseased leaves and insects.

NYMPHAEAS

All tender nymphaeas should be taken indoors and kept in a temperature of 55 to 60 degrees; this will keep them in a semi-dormant state until spring. Where the hardy nymphaeas and nelumbiums are growing in natural ponds having water of sufficient depth that freezing will not reach the crowns, they are perfectly secure for the winter. Those that are grown in tanks or tubs can have the water drained off. Cover with boards and on this place enough of leaves or litter to keep the frost out.

ROOTING CUTTINGS OF HARDY SHRUBS

Most of the shrubs which are of value to the florist lend themselves freely to fall propagation. Select the ripened shoots of the past summer's growth, but the cuttings should neither be taken from the very small twigs nor from the thickest growth, but just the medium. Cut into lengths of from 8 to 12 inches and insert in freshly dug soil, choosing a warm sheltered aspect. Where the soil is of a heavy clayey nature a little sand should be placed in the bottom of the trench opened for the reception of the cuttings. Place the cuttings well down—even if the top is covered it will be all the better. By the middle of December cover the beds with some rough litter 6 or 8 inches in thickness, which can be taken off in the spring as soon as the weather will permit.

John J. M. Farrell

Mr. Farrell's next notes will be on the following: Amaryllis; Care of Ardisias; Chrysanthemums for Exhibition; Campanulas; Lorraine Begonias; Planting Lilies Outside.

Decorative Dahlia Golden West

This superb novelty, which forms the subject of our cover illustration this week, was one of three new dahlias exhibited for the first time at the Dahlia and Perennial Show in Horticultural Hall, Philadelphia, on September 19 and there awarded certificates of merit by the American Dahlia Society. This variety was mentioned in our notes on the show in issue of September 23, but incorrectly named as a "Cactus." We think Mr. Burpee is justified in his claim that "it is undoubtedly the finest yellow in cultivation, regardless of type."

Clematis and rhododendrons at will over the dahlias and adorning the dark foliage with its airy white festoons makes a lovely picture in late September and seems to have no ill effect on the rhododendrons. Indeed, it is a possible benefit to these shade loving plants if it does not grow too rampant.

Some Autumn Flowering Shrubs

Although the large majority of flowering shrubs produce their blossoms during the spring and early summer months there is also a considerable number which are not seen at their best until the fall, and when one considers what a large number of people there are who spend this season of the year at their country estates it is surprising that this section is not given more attention.

Hardy flowering shrubs are undoubtedly becoming every year more popular, a step certainly in the right direction, and they possess many advantages over the softer bedding plants heretofore so much employed. These, though useful and beautiful in their season, are only good for a short time and demand a considerable amount of attention, whereas flowering shrubs when established may be considered permanent and necessitate but little labor to maintain them in good condition.

The varieties mentioned here include some of the best for park and garden use and all of them may be considered perfectly hardy as far north as Magnolia, Mass. North of this it is probable that some might require slight protection in winter but I shall make special reference to these and even if it should prove necessary to propagate them annually they are such beautiful additions that all who appreciate their value would willingly perpetuate them.

To E. H. Wilson we are indebted for a large number of new and noteworthy Chinese shrubs and it is very gratifying to find that many of these now in cultivation at the Arnold Arboretum flower during the late summer and autumn months. The most remarkable of these are the varieties of *Buddleia variabilis* and for ornamental planting either on a large or small scale no more beautiful shrubs exist. Some members of the genus *Buddleia* have been known in gardens for many years, one species having been introduced to Europe almost a century and a half ago, but few of them were sufficiently hardy to become generally cultivated out-of-doors in this country. The genus is a very interesting one and geographically covers a wide range, some members being found in America, Asia, Africa and elsewhere. As greenhouse plants some are of great merit, two of these from Central China discovered by Mr. Wilson being specially valuable, and I hope to refer to these in the near future.

A form of *Buddleia variabilis* with pale purple flowers and prostrate growth has been known to science for some years but as a garden plant it is of little value. Wilson's form of this is a very superior shrub with upright growth and long terminal tails of bloom and is the forerunner of several remarkable varieties. Those that have received names up to the present time are *magnifica*, *Veitchiana*, *Wilsoniana* and *superba*. Though all of these are equally meritorious the first named is perhaps the most noteworthy on account of its remarkable color. The individual flowers in all the forms of *Buddleia variabilis* are quite small, not measuring more

than an eighth of an inch in diameter but they are produced in great profusion at the terminal of the main stems and the numerous side branches. The flowers of *magnifica* are bright rosy-purple with a conspicuous orange eye and the edges of the petals are reflexed. It commences to flower about the middle of August and continues till the end of September. *Veitchiana* flowers a week or so earlier and grows a foot or so taller, with a more upright habit, but the stems droop gracefully when the flowers commence to open. These are a deep lavender shade and the center bright orange.

Wilsoniana is an exceptionally fine variety from five to seven feet in height and the flowering portion of the stem is frequently from thirty to forty inches in length. The color is rosy-lilac with a deep orange eye. The other variety—*superba*, though not so tall-growing as the preceding, is of exceptional merit. The side stems are produced freely from the ground and each terminates in a rounded tail of bright rose flowers, which contrast very effectively with the deep green foliage.

Buddleia albitlora, another species from Central China, resembles *B. variabilis* and grows from five to eight feet in height. The foliage is dark green above and silvery grey beneath and the flowers, in spite of the specific name, are lilac in color with an orange throat and sweetly scented. It commences to flower in July, but the numerous side branches maintain a succession of bloom well into September.

Buddleia nivea from Western China is not ornamental from a flowering standpoint but is worth growing for its ornamental foliage. The stems and under side of the leaves are densely clothed with white, silky hairs which make the plant quite attractive. It will grow seven feet high and the flowers are pink in short racemes.

The four varieties of *B. variabilis* mentioned above are all extremely easy to cultivate, a good loamy soil and open sunny position with plenty of water in the growing season suiting them to perfection. Although the stems frequently die down to the ground in winter this is no drawback for if they do not it is advisable to prune them right down in the spring so that an annual growth is obtained. North of Magnolia I would advise taking up the roots in winter and storing them in a cool cellar.

Propagation is very simple either by cuttings inserted in September, which make nice flowering plants the following year, or by seed sown any time after it is ripe, in a gentle heat. To perpetuate these varieties cuttings must be employed as *B. variabilis* varies considerably from seed. As these plants have great potential value the raising of seedlings is to be recommended as varieties differing widely in color and time of flowering are certain to be evolved. As bees are very partial to them and they hybridise freely the best colors only should be kept so that inferior ones do not detract from them. As single specimens or for bedding in parks and open spaces few plants are superior to these and there is undoubtedly a great future before them.

Arthur. E. Thatcher

Fruit and Vegetables under Glass

LATE VINES

Late vines that are just finishing up their fruit will need every care to enable them to hang on as long as possible. Should the fruit still require a little longer to "finish," maintain a night temperature of 65 to 70, advancing to 70 to 75 by day and 85 with sun heat. Always admit as much air as possible and keep a buoyant atmosphere. The pipes must be kept warm at night and also through the day when the sun is not shining. Be governed by outside climatic conditions as to how much moisture to keep in the house. On bright days the house will probably stand for damping three or four times but should it be damp outside keep the vinery dryer. Maintain a dry atmosphere at night and do not allow any condensed moisture to be on the berries in the mornings. Never shut the house up entirely; a crack of air is indispensable for ripening grapes.

Rats and mice will be seeking shelter now and a vinery seems to be an ideal place for them (not a grower's opinion). Keep all doors closed at night as a precaution, and lose no time in trapping or poisoning the vermin as once in a house they soon wreck a quantity of bunches.

POT TREES

Pot trees of all kinds will now be resting and should not be neglected even though their requirements at present are few. In fine weather continue to give them a syringe every morning and water the roots, should they be on the dry side. After peaches and nectarines cast their leaves is their most critical time. If allowed to dry out they will cast their fruit buds and a season is lost. Avoid over-watering or roots will go rotten. This also applies to cherries, plums, pears and apples in a lesser degree, the two latter being the easiest to winter. Figs in pots or tubs that are also resting will be all right outside until severe frosts make an appearance, but after a few degrees they must be housed. They will take more water than the other subjects as long as they have their foliage.

STORING APPLES AND PEARS

This is an item which commands considerable attention as when properly stored the "home" supply is augmented for months. Storing apples in quantity from the orchards is a different proposition from handling a few. So much then depends on the quantity. I am not going to advocate any one system of storing as there are so many and so much depends on what accommodation there is at one's disposal. Care in gathering is one of the chief points as bruised fruit will not keep for any length of time. Where a quantity of late dessert apples is to be kept a properly constructed fruit room is advisable. One, to maintain a uniform temperature in extreme weathers, should have extra thick walls and a non-conducting roof. Shelves can be arranged in tiers which has the advantage of allowing the fruit to be looked over at intervals and any decayed ones re-

moved. Some fruit rooms are built for ornamental buildings. Where a special room is not available, cellars, garrets and spare rooms can be used. Avoid a very dry place, as the fruit will shrivel quickly in such. Keep an even temperature near 40 without excessive dampness or dryness or artificial heat. Apples have been stored on cellar floors (where no fire was) with clean straw thrown over them to keep out the frost.

SPINACH

This is a useful vegetable to include in the winter house for you can "eat and come again." If sown now in drills one foot apart a nice growth will be obtained before the severe weather sets in. Use any well enriched soil and after the seedlings are through keep the surface soil loosened up to encourage root action. If over crowded in the rows thin out when large enough to handle or the best results will be lost. Maintain a night temperature of 50 and syringe well to keep clean. New Zealand spinach produces more than its relative and if this variety is accepted in the kitchen it should be grown in preference as so much more can be cut off any given bench room.

WINTER CUCUMBERS

If not already sown, a lot of winter cucumbers should be sown at once. The English forcing varieties alone should be grown, but are better used to these conditions. Improved Telegraph and Rochford's Market are of the best of forcing varieties are Satisfaction and Perfection. Sow seeds singly in three inch pots in a light compost, leaving it loose, as the water will settle it about the seed. Place in a temperature of 70 degrees. When seedlings have filled these pots with roots, plant them in larger benches, making the mound just large enough to cover the tails, and as roots appear on the surface of the top dress with 2 lbs of soil. This helps the plants along with new food as they require it. A compost of two parts loam, one leaf soil and one spent mushroom manure with a little sand, will be found suitable for them. Keep a night temperature of 70 degrees. Syringe morning and afternoon if fine and shut up early enough to raise the house up to 90 degrees with sun heat.

PARSLEY

Parsley is a thing which is always called for through the winter and some of sown plants should be lifted or make a fresh sowing row. If bench room is scarce for a time pot or box it up until there is room. Parsley will adapt itself to varying temperatures if supplied with water as it likes 50 to 55 degrees at night suiting it best.

George H. Benson

Seaside, N. J.

We are informed that in England the hardy asters (Michaelmas Daisies) have suffered greatly in the tropical heat of the past season and are practically a failure in many districts.

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The season for annual meetings is now approaching and in all organizations where there is "something doing" and good active red blood circulating, contests for official honors are a foregone conclusion. Mark that society or club as deficient in vigor and thread-bare in outlook where placid tranquility is the long suit and nobody takes the trouble to stir up a little healthy rivalry as regards policies and leaders. A little periodical agitation in the way of partisan enthusiasm is as wholesome a stimulation in the life of an association as is an occasional indulgence in outdoor sports for the man tied down to business drudgery and even a little turbulence is much to be preferred over apathetic indifference whether it be in an organization or in a man, so long as personalities and abuse are omitted.

We are all more or less liable to fall into the error of assuming that an institution will "go to the bows" if our favorite candidate is not elected or the policies that we support are defeated. Human nature has no more common delusion. The worst course a defeated candidate or his friends can possibly adopt is to display resentment and temper by "quitting the game." We have known of instances where memberships have been withdrawn for this cause. As a rule a man hurts himself more than he does anyone else by such procedure. The world means to be fair, take it all in all, and there is nothing it admires more than it does a good loser. An honorable defeat is sometimes the greater victory. You may feel that the man who has won is not equal to the position, but perhaps he'll prove otherwise. Give him a chance, yes, do more than that: get in and help him and even if he doesn't finally measure up as the prodigy which his friends predicted, bear in mind those truthful lines by Pope:

"Whoever thinks a faultless piece to see,
 Thinks what ne'er was, nor is, nor e'er shall be."

A commendable Newport cult

That's quite an interesting new project which has been launched among the society ladies of Newport as described in our news columns this week. It sounds worthy and looks good as a general proposition although there may be some differences of opinion as to the desirability of certain of the objects as outlined. Any movement tending to a more intelligent understanding of real garden art and a deeper popular appreciation of floral and sylvan beauty deserves to succeed, for, as has been intimated, the American people are far, very far behind the European in this respect. Let us hope that the movement now so jauntily inaugurated may turn out to have been something more than a transient plaything, to be soon cast aside among other fads that have had their little day. In working to advance the art of gardening in America, however, while there is much to be learned through a study of European standards and achievement, it will be necessary to watch out and see that mere imitation is not mistaken for education. As to the avowed purpose to establish direct relations with foreign sources of seed supply, the American seedsman is likely to have views of his own and we may safely leave it to him to see that the smoke continues to "go up the chimney, just the same," as John Westcott would say.

EDUCATION IN FLORICULTURE.

Mr. Editor:

Prof. White, in his desire to cooperate with practical gardeners and florists on behalf of floriculture at Amherst, displayed a creditable breadth of view and earnestness for the advancement of horticulture in this state, and, I think if your valuable paper were used as a means for discussing the best way to train young gardeners and florists he would gain a good deal of help in that direction. My own view is that his department should be so constructed that it would not lean too much to either the commercial or what is called private gardening. The European apprenticeship system is very good, but in my day it had a great defect, in not having the time or facilities for study which is so necessary to keep any one from falling into a rut or getting set in his ideas.

Amherst, I think, should secure those intending to follow horticultural pursuits at fifteen or sixteen years of age about the time they finish grammar school, as from my observation and experience (for I have children in high school) after a boy has gone two years or more to high school he will very often not care to knuckle down to that manual labor which is necessary in training anyone to be a good practical gardener or florist. The course should be at the very least three years and four would be better; one year at outdoor vegetable and fruit-growing, a second in what might be called flower garden work and a third in the greenhouses, but it would better be two years in the greenhouses as indoor fruit culture is beginning to come to its own in this country, and one year should be devoted to it.

There should be a good collection of fruits, vegetables and plants, both outdoors and in the greenhouses, but not many varieties of any species, for if one knows how to grow one rose or carnation or tomato, for instance, he will by experience soon learn the peculiarities of the several varieties of either. I see no sense in a horticultural school going into a series of experiments with the different varieties of carnations or roses about how many flowers per plant they will produce in a given time, as the majority of new varieties have a comparatively very short life and it is waste of time and public money, if the institution is supported by the state.

The members of the committee chosen by Pres. Miller of the G. & F. Club of Boston, are men of wide experience and success in gardening matters, and we ought to see our state college do some good work for horticulture through their efforts in co-operation with Prof. White.

GEORGE F. STEWART.

Medford, Mass.

BRITISH HORTICULTURE.

A Dahlia Display.

The season of drought caused a falling off in the quality and quantity of the exhibits at the annual show of the National Dahlia Society at the Crystal Palace, on Sept. 7th and 8th. The novelties were also fewer in number. First class certificates were granted to the following new varieties: Maurice Rivoire—an attractive addition to

the collarette varieties; Uranus, a cactus variety, mottled and striped scalloped, on a white ground; Miss Stredwick deep pink cactus, with pale yellow centre. In the non-competitive section the leading dahlia specialist made admirable displays. Messrs. Hobbies, Ltd., of Dereham, Norfolk, had a well arranged and comprehensive group, which secured the only large gold medal awarded. Messrs. H. Cannell and Sons, of Swanley, Kent, had a good selection of cactus, single, and paeony-flowered varieties, which were arranged to the best advantage, and received a gold medal. Messrs. Keynes, Williams & Co., Salisbury, made an effective display of cactus varieties, prominent varieties being Conquest, Johannesburg, Joan of Arc, Mrs. Chas. Wyatt, Cavalier, etc. Other firms who included awards for varied and interesting collections included Mr. J. B. Riding, Chingford, Essex; Mr. John Walker, Thame, Oxon; Mr. J. T. West, Tower Hill, Brentwood, Essex; Mr. M. V. Seale, Sevenoaks, Kent; Chas. Turner, Slough, Bucks; Carter & Co, Raynes Park, Surrey.

Trade Society Meeting.

The Horticultural Trades' Association which is doing excellent work in the interests of British nurserymen and seedsmen, held its annual meeting recently at Exeter, under the presidency of Mr. Peter Veitch, of that town. At the business meeting a satisfactory report of the Association's work was presented, recording the continued usefulness of the Society's operations. In addition a number of matters of moment to the trade were fully discussed. The remainder of the time was spent in sight-seeing. Several of the chief nurseries in the district were visited. On the second day a visit was paid to Bicton, through the kindness of Lord Clinton, where a magnificent collection of conifers, rare plants and flowers were the chief attraction. A very enjoyable time was spent on the water in exploring the delightful scenery of the West Country. Mr. A. W. Paul of Waltham Cross, was elected as the President for the ensuing year.

W. H. ADSETT.

RUBUS INNOMINATUS.

Editor HORTICULTURE:

Seeing a cut of the new berry "Rubus innominatus" in your issue of Sept. 30 I write for particulars. Is the plant for sale? How long after being planted before it fruits? I am 82, but would like to see it growing and fruited.

Yours truly,

DR. J. H. THOMAS

Wyoming, Del.

In reply to Dr. Thomas' query and incidentally several other inquirers. Mr. Wilson informs us that Rubus innominatus will fruit in the third year from seed and the second year from cuttings. The only firm offering it in this country, so far as we know, is R. & J. Farquhar & Co. of Boston, who will no doubt give prices and other information on request.

Greencastle, Pa.—The Troxell & Shake greenhouses have been taken in charge by George D. Reid. It is expected they will eventually purchase the plant.

FRUIT AND VEGETABLE NOTES FROM MIDDLE WEST.

Strawberries have made a little better growth than usual this year and will go into the winter with more plants set and developed ready for next year's fruiting than they usually have. The acreage for this coming year will not be quite as large as what has just fruited.

There appears to be less anthracnose on the raspberry canes this year with some growers than there has been for several seasons, but generally speaking, there is more, and the reason is not apparent.

Onions are all out of the field and mostly sold. Some have been shipped this year in the ear loose, but generally it will pay the shipper to have them sacked before they are loaded. The price is around \$1.75 to \$2.00 per 100 lbs. and there is not much chance of its being lower for a few months. Yellow Globe is most largely grown.

Apples and pears are a slow sale at any price but stay around 75c. The crop is not big yet most trees have some on them that are salable.

Peaches are plenty, yet the price is \$1.25 to \$1.50 and up for the fancy ones. Banked trees are safer for the winter and are doing better producing this year than the ones not so treated.

County fairs have shown more fruit on display this year than ever before. The size was a little above the ordinary, but the most specimens have more or less scale spots on them.

A NOVEL GREENHOUSE FEAT.

An event of great interest to the florists' took place a few days ago when Mr. Stahelin moved a block of four houses, 35x173 each, over a field of 29,000 carnation plants which had been cultivated there all summer long. The houses are just like any other houses except that they have no benches, of course, and the heating is all overhead. As the carnations are planted in the field, they make one house each of Winsor, White Enchantress, May Day and Beacon.

The supporting posts of the houses have heavy wheels inserted in their base which run on steel rails; these again are supported by concrete posts eight feet apart. It took five men six hours to move them into place but Mr. Stahelin expects to move them in 30 minutes next year.

Next season the place over which these houses were built will be cultivated and planted with carnations and the houses moved back on again. For the heating of these houses Mr. Stahelin made provisions by erecting a concrete boiler house, 30x42, with two boilers of 100 horsepower each, and a smokestack 80 feet high with a 50 inch flue. Although this entirely new method is more or less of an experiment, nevertheless, Mr. Stahelin has certainly opened up a new line of thought.

FRANK DANZER.

Savanna, Ill.—Joe Dunn has purchased John Lambert's interest in the Savanna Greenhouses and is now sole owner of the business. Mr. Lambert expects to go on the road as representative of a bulb firm.

25th ANNIVERSARY FLORISTS' CLUB OF PHILADELPHIA

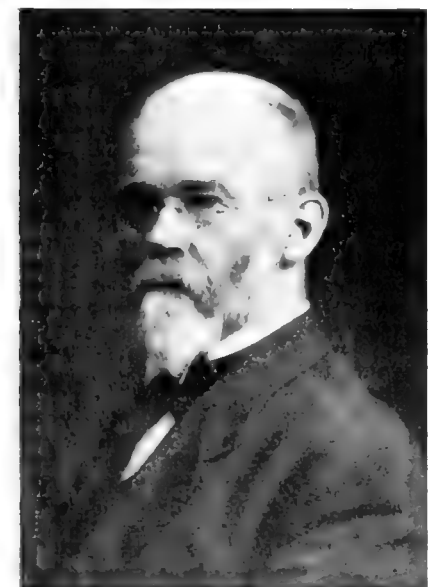
This historical and important event came off in due form on the 3rd inst. The meeting of the Club in its regular monthly session took place half an hour previous and elected J. Otto Thilow for their new president and continued George Craig as treasurer and David Rust as secretary for another year. The banquet followed in the main hall. President Heacock occupied the chair and in due course introduced Wm. B. Smith as toastmaster. The latter gentleman has done this honorable function for twenty-five years and fine as he was at the beginning he has mellowed with age and is now finer than ever. There were 149 ladies and gentlemen around the tables and, as William F. Gude said, they formed "the most distinguished assemblage in any one club ever seen in the country (wouldn't that jar you?). The Philadelphia Club has the distinction of being the first of the many similar organizations that have sprung up in every part of the country.

Secretary Rust read letters from all the leading lights in the business conveying their cordial regards and best wishes. The list given below gives a good idea of the speeches. This program was more or less closely followed and where one or another was not there—there was always somebody to take their place. And, so we mark another milestone in the history of our business.

THE TOASTS.

Joseph Heacock, Chairman, President Florists' Club of Philadelphia.

Toastmaster, Hon. Wm. B. Smith.
1. Our Club, Robert Craig
2. The Ladies, Wm. F. Gude
Song, Arthur Seymour



JOSEPH HEACOCK
President.

1. Toastmaster, Hon. Wm. B. Smith
2. Our Club, Robert Craig
3. The Ladies, Wm. F. Gude
4. The Club, Arthur Seymour
5. The Club, Arthur Seymour
6. The Club, Arthur Seymour
7. The Club, Arthur Seymour
8. The Club, Arthur Seymour
9. The Club, Arthur Seymour
10. The Club, Arthur Seymour

In addition to the list of artists announced on the official program, Wil-

liam Wunder gave two of his humorous recitations. Those who remember this genial soul and how he has entertained us in the past—can appreciate how this feature enlivened



J. OTTO THILOW
President-elect.

the occasion. He helped to take the chill off the cold water quite considerable. And another good feature not on the official list was a couple of songs by Horace Dumont. Horace vamoosed the ranks but is still with us in spirit.

Decorations were contributed by Arthur Niessen, Robert Craig Co., Robert Kift and Habermehl's. The arrangements were superintended by Robert Kift. A fine collection of dahlias was contributed by R. Vincent, Jr.

We hear much praise also for the able assistance of the secretary of the Club, David Rust, who worked most energetically with the committee in carrying out the arrangements. The president, Joseph Heacock, was also an earnest worker.

The committee on banquet was composed of Thomas W. Logan, George Burton, Arthur A. Niessen, Robert Kift and John F. Sibson.

Invited guests were present as follows:

William F. Gude, Washington, D. C.; William R. Smith, Washington, D. C.; Richard Vincent, Jr., White Marsh, Md.; James Dean, New York; William B. Smith, Mayor of Philadelphia; Arthur Seymour, Jerkintown, Pa., and friend; Mrs. Mary Fleck, Jerkintown, Pa., and friend; Edwood Deener, Philadelphia.

Others present were the following:

Mr. and Mrs. Thomas Logan, Mr. and Mrs. Wm. Klumpp, Mr. and Mrs. E. A. Harvey, S. S. Skidmore, Mr. and Mrs. Charles E. Madson, John G. Whilden, John R. Andre, Mr. and Mrs. Jno. F. Sibson, Henry E. Mitchell, Mr. and Mrs. Fred J. Mitchell, Mr. and Mrs. Joseph Heacock, and three friends, Mr. and Mrs. James W. Heacock, Mr. and Mrs. George Burton, Miss Elizabeth Burton, Mr. and Mrs. Robert Kift, Mr. and Mrs. William K. Harris, Mr. and Mrs. Mark P. Mills, William H. Vance, George D. Clark, Mr. and Mrs. David Rust and son, Mr. and Mrs. John C. Gracey, Fred Adelfinger, Mr. and Mrs. Victor Groshen, Mr. and Mrs. John Westcott, Charles Sna, Richard E. Lange, John Welsh Young, Mr. and Mrs. Adolph Farenwald, George Craig, August Lutz, Albert M. Herr, J. D. Eische, Theodore Shober,

Walker F. Fancourt, Xavier E. E. Schmitt, Alphonse Perleant, Martin Samtman, Eugene Bernheimer, Mr. and Mrs. P. Metccheon, Harry S. Betz, Howard M. Earl, Joseph Myers, George E. Campbell, Mr. and Mrs. Andrew Graham, George C. Watson, H. C. Gelger, Mr. and Mrs. Paul Huebner, Carl F. Corts, H. I. Faust, John P. Habermehl, John A. Ruppert, Mr. and Mrs. Robert Craig, Mr. and Mrs. Robert A. Craig, Mr. and Mrs. William P. Craig, Mrs. Lank, Mr. and Mrs. J. F. Graeff, Mr. and Mrs. Samuel S. Pennock, Mr. and Mrs. Edward Towill, Clarence Upton, H. Bayersdorfer, Mr. and Mrs. Clarence W. Moore, Mr. and Mrs. Stephen Mortensen, Edward A. Stroud, J. W. Prince, C. E. Larzalere, John Aschmann, Godfrey Aschmann, John H. Dodds, Louis A. Couche, George S. Faulkner, Mrs. William K. Harris, Sr., Mr. and Mrs. William Wunder, J. Otto Thilow and daughter, Mr. and Mrs. Alfred M. Campbell, Joseph H. Sperry, Dennis T. Connor, Mr. and Mrs. Julius Wolff, Jr., A. E. Wohler, Mrs. Hinzey, Mr. and Mrs. Daniel Donoghue, Horace F. Dumont, A. R. Jones, Rev. R. E. Johnson, Frank Ramsey, M. D.

The only fault we can find with this successful affair is that it was made too much of a social function. The Florists' Club is a business organization, and it seems to be drifting further and further from its moorings. It could do a whole lot of good if wisely handled. Robert Craig was dead wrong in praising it as an athletic organization. We think Robert was just hunting around for nice things to say—and you all know his inimitable way of making the worse appear the better reason. If the business is going to get any better through the Florists' Club it will not do it with songs and jollity and athletics. The problem is much more serious and hasn't really been tackled yet notwithstanding this our twenty-fifth anniversary. So we say to the younger generation—forget



DAVID RUST
Secretary.

all these platitudes of the orators and start in and do something. Athletics and jollity are fine as an adjunct—but we want to broaden the business. The sugar coating to the pill may be fine—but it isn't the pill. Of course I put on my swallow-tail like the rest of them but I'm not especially proud of it.

G. C. WATSON.

CLUBS AND SOCIETIES

NEWPORT'S NEW GARDEN ASSOCIATION.

The Garden Association in Newport is the name of a society recently organized by wealthy summer residents and owners of important estates. Its officers are: President, Mrs. I. Townsend Burden; vice-president, Mrs. W. Storrs Wells; secretary, Mrs. Charles F. Hoffman; executive committee, Mrs. I. T. Burden, Mrs. Lewis Cass Ledyard, Mrs. Hope Slater, Mrs. Hugh D. Auchincloss, Mrs. Hamilton Fish Webster, Mrs. Frank K. Sturges, Mrs. Van Allen, Mrs. W. Storrs Wells, Mrs. C. Hoffman, Mrs. French Vanderbilt, Mrs. E. B. Andrews, Miss Edith Wetmore, Mrs. George L. Rives, Mrs. D. B. Fearing and Miss Mary Gwynn.

The objects as appears in the official circulars are—First: To increase the knowledge of owners of gardens in Newport by means of lectures and practical talks in the garden during the summer months by well known authorities. Second: To provide a corresponding secretary who will keep the association in touch with the development of new ideas and improvements in the varieties of flowers among the seedsmen and gardens of France, Germany, England and the east. Third: To establish a bureau where the seeds of novelties from abroad can be obtained. Fourth: To develop by means of illustrated lectures on the gardens of England, Italy and other countries more art, individuality, sentiment and variety in the planting of flowers, shrubs, etc. Fifth: To increase the practical knowledge of the care of trees and plants by demonstrating the methods used in Europe in the cultivation of flowers, fruit and vegetables and in forestry.

The gardening craft within the influence of this association, especially those in charge of estates expect that much good may be done by the new movement, anticipating that owners of estates will have more of their attention directed to horticultural pursuits with the result that gardeners will get more assistance and encouragement in their work than is the rule at present, so the outlook points to a mutual benefit.

JAMES ROBERTSON.

Newport, R. I.

FLORISTS' CLUB OF WASHINGTON.

The October meeting of the Florists' Club of Washington was held in the store of Gude Bros., 1214 F street, N. W., Tuesday last, with President Mayberry in the chair. The committee having in charge the matter of obtaining new quarters reported that the Moose Hall on Twelfth street, N. W., was available for the purpose and there were other halls equally favorable. They were granted an extension of time until the next meeting, at which a full report may be expected. Other matters of local interest only were brought up for discussion, following which an adjournment was taken.

The members then broke up into smaller groups to discuss such matters as interested them individually and later, upon suggestion of Mr.

Schmid, they went in a body to inspect the Moose Hall, referred to earlier in the evening. This was found to consist of two exceptionally large rooms, one for business purposes, the other for the preparation of such refreshments as may be furnished from time to time, or as a banquet hall. The members were favorably impressed with this and action will be taken at the November meeting of the club.

CLARENCE L. LINZ.

ELBERON (N. J.) HORTICULTURAL SOCIETY.

A regular meeting of this Society was held in Fireman's Hall, Elberon, N. J., on Monday evening, October 2nd, with President James Kennedy presiding. This being the meeting for nomination of officers for the ensuing year, brought a very large attendance. There were three new applicants elected members of the Society.

The judges of the monthly exhibits were Wm. Tricker, August Grieb and Peter Murray and their decisions are as follows: To A. Bauer, for *Cattleya labiata*, 80 points; D. C. Kelly, for *Leek American Flag*, 75; and Wm. Seymour, for *Sanseveria zealanica*, 85. The Chrysanthemum Show was discussed and it was decided to hold it in the casino at Asbury Park, instead of in Long Branch as in former years. The dates are changed from November 1-2 to November 7-8.

WM. R. SEYMOUR,
Cor. Sec'y.

HORTICULTURAL CLUB OF BOSTON.

This new organization held its October session at the Parker House on Wednesday evening, 4th inst. Among the gentlemen present from a distance were W. A. Manda, South Orange, N. J., Judge C. W. Hoitt, Nashua, N. H., F. R. Pierson, Tarrytown, N. Y., and F. Gomer Waterer, Bagshot, England, the latter gentleman being the especial guest of the club. A stirring communication from Professor Charles Sargent was read. Its keynote was the desirability of a closer sympathy and co-operation between the scientific institutions and the commercial horticulturist and this timely subject elicited some ringing speeches in approval. New lilies and new hardy chrysanthemums adorned the banquet table.

NEW YORK FLORISTS' CLUB.

Resolutions on the death of John Birnie, adopted at the September meeting:

Whereas, We, the members of the New York Florists' Club, are overwhelmed with sorrow by the loss of our friend John Birnie, whom God called to His rest on Aug. 15th, 1911, and in recognition of the activities of the individual members of the Society of American Florists, the City of Baltimore, Md., we deplore the passing of this engaged figure who for many years has been an honored member of this organization and one of its most earnest supporters. Mr. Birnie's interest in the welfare of the New York Florists' Club was ardent and disinterested and he steadfastly refused the highest honor, the gift of the club. He was beloved by the friends who knew him as a man of fine qualities of mind and heart, and in forms of profuse and beautiful flowers.

the gift and deed, and to those who had known him he gave a knowledge of his correct loyalty. His success in business depended on a thorough knowledge of the subject and ability to comprehend it, and a probity of character that commanded the respect of his friends.

Therefore he is missed. But we, the members of the New York Florists' Club, with a keen sense of the loss we have sustained, desire to tender our deep sympathy to Mrs. Birnie and family in this hour of their bereavement, and ask that a copy of these resolutions be submitted to them and a copy spread upon the records of the club.

CHARLES H. TOTTY,
HARRY A. BUNYARD,
WALTER F. SHERIDAN,
Committee.

CLUB AND SOCIETY NOTES.

The St. Louis Retail Florists' Association will hold a regular monthly meeting on Monday night, October 9th, in the Knights of Columbus Hall.

The Chrysanthemum Exhibition of the Elberon Horticultural Society will be held at the Casino, Asbury Park, New Jersey, Nov. 7-8, 1911. Particulars of Wm. Seymour, West End, N. J.

The St. Louis Florist Club will hold its meeting on next week Thursday afternoon, October 12th, at 2 o'clock. All the new officers will be at their posts and the trustees have arranged for a pleasant afternoon.

The executive committee of the St. Louis Horticultural Society have decided that the flower show will be held in the Coliseum building the first week in November. In conjunction with the usual Shaw prizes a liberal amount was put aside for awards. The Chrysanthemum Society of America will meet here in the same week.

Thomas J. Grey of Boston talked before the New Bedford Horticultural Society on Monday evening, October 2, on his recent trip to various countries of Europe. Mr. Grey was the guest of the society and had a most hearty reception. He is booked for a similar talk at the meeting of the North Shore Horticultural Society on Friday evening of this week.

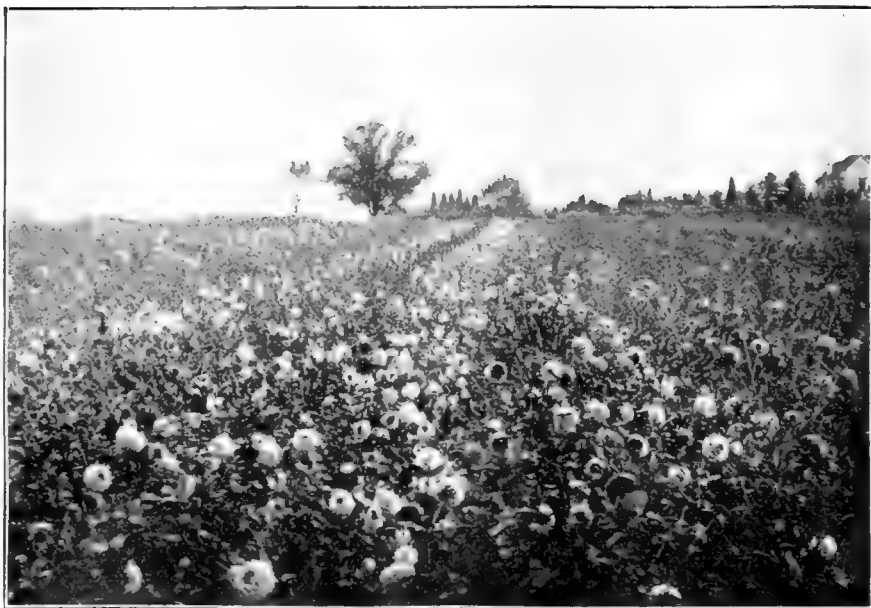
The Cincinnati Florists' Society will hold a grand chrysanthemum and flower show in Horticultural Hall, Music Hall, November 13 to 18, at which \$5,000 in prizes will be given.

An illustrated lecture by Richard Vincent of White Marsh, Md., on his trip through Holland showing the bulb fields in full bloom will be delivered. The Cincinnati Commercial Association and the Cincinnati Passenger committee of the railroads will assist to promote the show.

The fall show of the Florists' and Gardeners' Club of Rhode Island was discussed at a meeting of the members Saturday evening, and action taken on a communication from the Rhode Island Horticultural Society. An offer of \$150 was made by the Horticultural Society to encourage the exhibition of flowers by the club and it was accepted. William Hill, Alexander Macrae and E. A. Appleton were appointed a committee to confer with the Horticultural Society. The committee will meet Oct. 19.

THE VINCENT DAHLIA SHOW.

Richard Vincent, Jr., & Sons Co., of White Marsh, Md., held their fifth Annual Dahlia Show Sept. 26-29, 1911. The first day was known as Maryland Horticultural day and there was a good attendance of members of the State Society. In addition to dahlias there was a good exhibition of farm and garden products. These were judged by Prof. Thomas Symons, Geo. O. Brown and Alex H. McCormick. Wednesday, Sept. 27, was Gardeners' & Florists' day, and large delegations of the Baltimore and Washington clubs were present. The mayor of Baltimore and other politicians were on hand Thursday. The Messrs. Vincent have 40 acres of dahlias, and the varied colors present a most beautiful sight. Fifteen acres of cannas, with eight or ten rows of the different colors planted side by side across the fields make a mammoth high-colored ribbon effect contrasting effectively with their foliage backgrounds. Crowds went down on the extra trains daily, and they were people who appreciated the wondrous sight. Richard Vincent, Jr., was simply delighted to see the people enjoying themselves. Thousands returned home with a huge armful of dahlias. The immense packing and potting rooms were transformed into a spacious flower show, exclusively of dahlia blooms in endless varieties, effectively arranged. Beside those with stems, shown in vases, there were blooms bedded close together in masses of one color, in boxes holding 20 or more blooms. These showed to perfection the types and charming colors. Among some of the most striking specimens were Cactus dahlias, Alpha; Aurora, Britannia, Countess of Lonsdale, Fairy, Floradora, and Juliet, Mrs. F. Gremsted, Mrs. G. Stevenson, Mrs. H. J. Jones, Phoenix (a wonderful production), Royal Scarlet, Thuringia. Among decorative varieties: Fire Rain, Jack Rose, Jean Charmant, John Elitch, Madam Uvan den Dael, Mme. A. Lumier, Sour deGustave Douzan. Show



A DAHLIA FIELD AT VINCENT'S

varieties: Bon Ton, Cuban Giant, David Johnson. Among the many singles shown the writer considered Ami Barillet, St. George, Rebecca Mayhew and John Downie wonderful varieties. Of the fancy varieties Fern-leaf Beauty and Olympia were greatly admired. Of the numerous "Centuries" and "Colarettes" there were so many grand ones it was difficult to express preferences.

A GARDENER HONORED.

Herbert Clark, formerly at West Manchester, Mass., has returned after several years at Southampton, Long Island, to take charge of the Denegre estate, a place on which, by the way, he had been the first superintendent. On Friday night of this week a warm greeting was extended to Mr. Clark by his old and new fellow-gardeners of the North Shore Horticultural Society

at their regular meeting in Manchester.

Last week Saturday, previous to his departure from Southampton, Mr. Clark was tendered a farewell banquet by the Southampton Horticultural Society, of which he was a founder and its first president, and a loving cup suitably inscribed was presented to him with many cordial and sincere wishes for his prosperity. Among the leading addresses was one by Peter M. Miller, of the firm of Thos. J. Grey Co., Boston, president of the Gardeners' and Florists' Club of Boston.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

Registration of Roses.

Public notice is hereby given that Jackson & Perkins Company, of New-ark, Wayne County, N. Y., offer for registration the roses described below. Any person objecting to the registration or to the use of the proposed names, is requested to communicate with the Secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

Descriptions.

ORIOLE.—Seedling from Yellow Rambler, crossed with pollen from an unnamed seedling which was itself the result of the crossing of Multiflora with various Tea Roses. Holds its yellow color better than any other yellow Rambler in commerce. Remontant.

GENEVIEVE CLARK.—Deep pink when the flowers first open, changing to a clear shell-pink as they grow older; the covered and shaded portions of the petals being almost white. For bedding and forcing in pots.

SUNSHINE.—Yellow Dwarf Polyantha; same habit of growth and bloom as Mrs. Cutbush; deep golden yellow in bud, changing to a lemon yellow as the flowers open.

H. B. DORNER, Secretary.

September 28, 1911.



PART OF FLOWER DISPLAY IN VINCENT DAHLIA SHOW

Obituary

Miles Stowe.

On September 22nd, Miles Stowe, well-known as an onion seed and sweet corn grower, died at Milford, Conn.

Henry J. Schmidt.

Henry J. Schmidt, gardener for many years in New Orleans, La., died on September 13. He was 76 years of age and came to New Orleans from Prussia in 1854.

Orlando F. Casteen.

Mr. Orlando F. Casteen died at his home, Kansas City, Kas., on Sept. 18, and in his will he left \$3000 for the erection of a greenhouse and floral planting in Forest Park Cemetery, Anthony, Kan.

George W. Caldwell.

George W. Caldwell, of Evergreen, Ala., died of tuberculosis on September 5. He was well known throughout the country as, "Caldwell, the Woodsman" from his business of gathering and shipping evergreens and other wild green products.

William Kiss.

Falling asleep while a lighted pipe was in his mouth, William Kiss, a Manchester (N. H.) florist, was suffocated in a room of the Lincoln House on the evening of September 27. Kiss was dying when discovered by the proprietor. A physician, who was summoned, found life extinct. Mr. Kiss was for many years in the florist business at Fitchburg, Mass.

Robert Laird.

A leading Scottish horticulturist has lately passed away in the person of Robert Laird, of the well known firm of Messrs. Laird and Sons, Ltd., nurserymen and seedsmen, of Edinburgh. Mr. Laird was well known and respected throughout the seed trade north of the Tweed; he took a very prominent part in the affairs of the Royal Caledonian Horticultural Society, and the Scottish Horticultural Association, having for ten years been secretary of the latter organization. He was also closely identified with the Royal Scottish Arboricultural Society. He will be greatly missed.

South Freeport, Me.—Superintendent J. J. Turner of Casco Castle Park has resigned his position there to accept the position of general manager for the Southworth Brothers nurseries at Beverly, Mass. The beautiful grounds at Casco Castle have been for the past nine years in charge of Mr. Turner, and he will be greatly missed, not only at Casco Castle where he leaves many friends, but at the various Maine fairs where he has been yearly a leading exhibitor, winning in the last four years 164 blue ribbons and several special prizes. Mr. Turner was born in Boston, and was graduated from Harvard in 1876, after which he took a two years' course in botany and landscape gardening. He laid out many fine estates in New York and New Jersey and was connected with the Chicago park system for a number of years.

CHICAGO NOTES.

Trade Jottings.

John W. Madden of Pittsburg is now with the E. Wienhoeber Co.

C. Kohr of St. Louis, Mo., is now with Geo. Weiland of Evanston, Ill.

Homer L. Metz is the latest addition to the force in the supply department of the E. H. Hunt Co.

A. C. Spencer is again with the wholesale end of the business having a position with Kyle & Foerster.

Mrs. H. Simpson, of West Ogden Ave., has lately purchased the property which she has previously leased.

Wm. Abrahamson, formerly in the wholesale flower department of the E. H. Hunt Co., and for the past two years in Denver, Colo., is now with the Chicago Flower Growers' Association.

Word has come from Fred Longren who is on the road for the E. H. Hunt Supply House that in this southern trip he has made a record of taking orders at every call in the three states he has traveled through.

Among the exhibitors at the state fair held this week at Springfield, Ill., Schiller, the Florist, will compete for honors in artistic arrangement and Herman Schiller and Miss Schiller are there in charge. Two years ago their exhibit under six numbers was awarded six first prizes. George Asmus leaves for Springfield tonight. This firm also exhibited plants this year.

Personal.

Miss M. Russell, bookkeeper for J. A. Budlong will spend a few days at her home in St. Louis, Mo.

Among the old faces in new places are seen Fred Strail with the Briggs' House Florist on Van Buren street, and Henry Munn with Canger & Gormley.

Among the visitors last week were Mr. and Mrs. J. F. Johnson of Fort Smith, Ark., who were heavy losers by hail last spring. On account of a technicality in the law of that state which has since been repealed, they were not able then to carry hail insurance.

As announced last week the marriage of Herman Schiller and Pearl Yager took place Saturday evening at the home of Mrs. Hilliar, the groom's sister, at 2207 West Madison street. The wedding was a quiet one only immediate relatives being present. Mr. and Mrs. Schiller went to housekeeping at once at 446 S. Irving avenue and have the best wishes of their many friends.

Visitors: Mr. and Mrs. J. T. Johnson, Fort Smith, Ark.; A. R. Leidiger, of Edlefsen, Leidiger Co., Milwaukee, Wis.; R. R. Davis, Morrisson, Ill.; E. Dailedouze, Flatbush, N. Y.; A. Iralson, Wendell, Idaho; Chas. Koelker and daughter, Toledo, O.; Paul J. Howard, Los Angeles, Cal.; Mr. and Mrs. Geo. Papadakis, Kansas City, Mo.

Following an assault with intent to kill Frank Hammond, the superintendent of the J. G. Harrison & Sons' nurseries, the police of Berlin, Md., cleaned out the Italian camp there, arresting sixteen of the twenty inhabitants, and they are being held without bail awaiting the result of the injuries of their victims. It is alleged that grubbing axes were used in the assault upon Hammond, with the result that he is in a very critical condition.

WASHINGTON NOTES.

Alvah Godding, landscape gardener in the employ of the government, has returned to Anacostia, D. C., after a month's trip through Maine and Massachusetts.

William F. Gude is the florist member of the committee appointed to receive the delegates to the National German-American Alliance convention being held here this week.

David G. Fairchild of the Department of Agriculture will give the members of a newly-formed class of consuls and consular assistants now in session at the State Department, an illustrated lecture on the assistance which they can, as consular officers, render the Agricultural Department and through that department the country at large in connection with the introduction of plants.

There has been a rumor in the newspapers to the effect that a movement has been started to have the grave of Nicholas Studer, the pioneer florist of the District of Columbia, suitably marked through the erection of a monument. Mr. Studer died some twelve years ago and it is stated that the body lies in an unmarked grave. He was a native of Switzerland. Gude Bros. now own the place formerly conducted by him.

Charles Kohen, the proprietor of the cut flower stand at Ninth and D. streets, N. W., was recently the victim of an assault made by two night watchmen. Between them they took Kohen to the police station, using him quite roughly on the way. Upon being recognized by one of the sergeants at the station he was released some time later. The watchman who first accosted him was in court adjudged guilty of assault and fined \$10.

Gude Bros., and Fred H. Kramer each held a very successful sale of palms and ferns last week. Their stores were crowded and neither firm had cause for a cry of "dull business." At the Kramer store a large quantity of bulbs were also offered and disposed of. Many schools and clubs took advantage of low prices to secure these plants for decorative purposes, and in every instance both the customer and the firm making the sale were pleased.

Visitors: Charles E. Meehan of the S. S. Pennock-Meehan Co., Philadelphia, Pa.; C. H. Sieck of C. Smith & Co., Baltimore, Md.; H. T. Potter, Wilmington, Del.

PHILADELPHIA NOTES.

C. H. Grakelow wins in the primary election for his ward. We regret to learn that the campaigning has proved rather a severe strain on such a fine wire. That he may speedily be restored to his old self is the earnest wish of all. We understand that a serious hemorrhage came as a result of his strenuous efforts—on top of the condition caused by the attack of pneumonia from which he suffered last winter.

Visitors: Arthur E. Holland, representing R. & J. Farquhar & Co., Boston, Mass.; B. B. Carpenter, Pittston, Pa.; T. F. McAndrew, representing T. J. Clark, Boston, Mass.; Daniel Gorman, Williamsport, Pa.; Mr. and Mrs. C. D. Mills, Jacksonville, Fla.; Mooney & Weir, Wilkesbarre, Pa.

PERSONAL.

Prof. C. S. Sargent started Tuesday, Oct. 3, for a two week's trip to the west.

On Saturday, September 30, Miss Alice Burton, daughter of John Burton, Chestnut Hill, Pa., was married to Mr. Finley, junior member of the lithographing firm of Craig, Finley & Co., of Philadelphia.

A host of warm friends will be pleased to learn that Col. W. W. Castle of Boston, who has been very ill since last Easter, has recovered and states that he feels better than at any time within the past two years.

Charles Millburn, gardener and florist at Hillcrest Farm, the property of Mr. A. M. Lothrop, has resigned his position with the latter and will enter the employ of J. H. Small & Sons, Washington, as a decorator on October 16.

William R. Nicholson of South Framingham, Mass., and Miss Juva G. Harrington were married at York Harbor, Me., on Saturday, September 30. The Boston florist fraternity are wishing William all kinds of happiness. The young couple took to the woods, following the ceremony, but were heard from on Wednesday at Poland Springs.

Jackson Dawson, of the Arnold Arboretum, Boston, has just returned from an enjoyable two weeks' holiday in Nova Scotia, in time to take note of his seventieth birthday, October 5, and to welcome his daughter, Minnie (Mrs. Blossom) and his little granddaughter, who have just come home from California after a year's absence.

Visitors in New York: P. Welch and J. K. M. L. Farquhar, Boston.

Visitor in St. Louis—J. J. Karins, representing H. A. Dreer, Philadelphia, Pa.

Visiting Newcastle, Ind.: P. J. Ohlinger and Charles Jones, of Cincinnati, O.

Visitors in Boston: F. Gomer Waterer, Bagshot, Eng.; D. Cameron, representing F. Sander & Son, St. Albans, Eng., and Bruges, Belgium; W. A. Manda, South Orange, N. J.

PROVIDENCE NOTES.

Carl O. Keiffer, 36 years old, pleaded guilty to the charge of passing a forged check when arraigned on October 2, and was bound over to the Grand Jury in \$3,000 surety. The name of N. D. Pierce, a well-known florist at Norwood, R. I., was signed to the check. Keiffer was employed by Mr. Pierce in his nursery last summer and was discharged about the middle of August. Shortly after his disappearance from Norwood the worthless check appeared. He was traced to Chicago and brought to Providence without being extradited.

The firm of Smith & Berker of North Broadway, East Providence, doing a general florists' business, has dissolved its partnership under the date of September 26. Gabriel C. Berker has withdrawn and the business and all obligations have been taken over by Frank W. Smith. The firm recently constructed an elaborate greenhouse, 30 x 106, on North Broadway. The foundation and walls of the house are of cement concrete. Mr. Smith will grow strawberries this winter, following which he will put the entire house to lily of the valley.

A NEW ENTERPRISE.

R. J. Irwin, formerly of the Skidelsky & Irwin Co., Philadelphia, Pa., has started in business for himself in New York City, and intends carrying on the same line, handling seeds, bulbs and plants.

Mr. Irwin started with Pitcher & Manda, Short Hills, N. J., in 1891, at



R. J. IRWIN

the age of fifteen years, being employed in the greenhouses doing general work. In 1893, with the desire of learning the seed and bulb business, he entered the employ of J. M. Thornburn Co., New York City, where he stayed for seven years, working himself up to a salesmanship and then accepted a position with Vaughan's Seed Store, New York, as traveling salesman, holding this position for the ensuing seven years. In 1907 he became connected with the H. H. Berger Co., New York, acquiring an interest in that concern. During the fall of 1908, he started in business with Mr. S. S. Skidelsky, under the name of Skidelsky & Irwin Co., Philadelphia, with which concern he has just severed his connection.

We extend best wishes for the success of the new business.

CONSTRUCTION AND COST OF CHIMNEY.

For my new houses I have to build a new heating plant, with a chimney of about two feet inside diameter, and about thirty to fifty feet high. Which is the best, an iron, brick or cement chimney, and what is the difference in prices of material and construction?

F. S.

It would be almost impossible to give any satisfactory answer to an inquiry so indefinite in its terms but as near as I can get to it, a brick chimney such as your subscriber wants would cost about \$200, and an iron one of the same size \$150. On a cement chimney I could not approximate any figures. The only party I know of that has a cement chimney is E. G. Hill.

ALEX. MONTGOMERY.

TWO MT. CLEMENS GROWERS.

Fred. Breitmeyer's plant, the most extensive of Mt. Clemens (Mich.) places, looks full of promise for not only a large but also a very good cut in roses. These include Lady Hillingdon, Melody, Canadian Queen, which he cuts with stems three and four feet long, Killarney and American Beauties. The large range of older houses is planted for summer Beauties. One large house is entirely devoted to Adiantum cuneatum and Croweatum and there are many houses of chrysanthemums from a "Baby" or pompon to show blooms. Carnations will be a little late, just about as last year, but with some varieties such as White Wonder having stems two feet long already.

Robert Klagge, his neighbor, is a master in rose-growing and there are splendid looking houses of Rhea Reid, La Detroit, Kaiserin, Killarney, Maryland, Maman Cochet and Mrs. Aaron Ward. His carnations are simply exquisite and some of them planted last May have stems 2½ feet and longer. The varieties grown comprise: Pink Delight, Enchantress, Winsor and Mayday. Mr. Klagge has his own cold storage place and no less than 600,000 bulbs have been planted this fall. Liliun lancifolium and Liliun longiflorum are principal among them. Lily of the valley is also grown in quantity.

DURING RECESS.

Cincinnati Bowling Club.

The Bowling Club at a meeting on Monday at the Cincinnati Cut Flower Exchange decided to roll at Wielert's this winter on the first and third Mondays of each month. Chas. H. Hoffmeister was again chosen secretary and treasurer.

Chicago Bowling League.

The bowling season opens October 4th at the new Bensinger alleys on West Monroe street. At a meeting held at Zeck and Mann's, Monday evening, Allie Zeck was unanimously chosen treasurer of the league, a tribute to his faithful work in the interest of the game. Among the prizes offered were a silver cup by Zeck & Mann, six umbrellas by John Michaelson of the Amling Co., and four scarf pins by the A. L. Randall Co. Cash prizes will also be given.

The names of the teams are the same as in other years and the membership starts out as follows:

ROSES.		CARNATIONS	
A. Fisher		A. Zeck	
W. Wolf		W. Lorman	
J. Schlossman		E. Winterson	
A. Scruneemann		E. Schultz	
B. Connors		M. Fink	
VIOLETS.		ORCHIDS.	
V. Bergegan		J. Zeck	
A. Cole		J. Huebner	
J. Friedman		E. Farley	
F. Lieberman		W. Graff	
J. Byers		O. Goerlich	

Newport, R. I.—Much interest is being taken here in the offer of prizes recently accepted from Mrs. Burke Roche by the Horticultural Society for its June show of 1912. The offer as accepted is \$30 for a new yellow rose to be an improvement over Marechal Niel, and \$15 for a new yellow carnation, and we learn that the donor is to increase her offer to \$50 for the rose and \$25 for the carnation; the competition to be open to all comers.

PRIMULA MALACOIDES

"The Glorified Baby Primrose"

Offered for the first time in America. This variety will continue sending up a succession of blooming spikes (color, beautiful lilac), giving the appearance of a shower of blooms.

The individual flowers are much larger than P. Forbesi and infinitely more freely branched. It is highly recommended either for cut flowers or for plants, which sell readily on sight. Per trade pkt., \$1.00; ½ pkt., 60c.

Our Fall Bulb Catalogue of Quality Bulbs, etc., now ready.
A post card will fetch one by return mail.

Arthur T. Boddington, Seedsman, 342 W. 14th St., New York

PLANT for IMMEDIATE EFFECT BROAD LEAVED EVERGREENS

Rhododendron Maximum, 2-5 feet high

Kalmia latifolia, 1-3 ft. high

in carload lots and small quantities. We also have a fine stock of hardy hybrid **Rhododendrons**

Eastern Nurseries, Jamaica Plain, Mass.

HENRY S. DAWSON, Manager

Write for Prices

B. & A. SPECIALTIES

PALMS, BAY TREES, BOXWOOD AND HARDY HERBACEOUS
PLANTS, EVERGREENS, ROSES, RHODODENDRONS
VINES AND CLIMBERS, AUTUMN BULBS
AND ROOTS, CONIFERS, PINES.

Florists are always welcome visitors to our nurseries. We are only a few minutes from New York City; Carlton Hill Station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS

Nurserymen and Florists

Rutherford, N. J.

American Grown Roses

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens.

Write for Trade List. **W. & T. SMITH CO.** Geneva, N. Y.

HARDY NORTHERN GROWN NURSERY STOCK

WE GROW EVERYTHING FOR PLANTING THE HOME GROUNDS
A GENERAL ASSORTMENT OF

Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc., Etc.

Our Illustrated and descriptive Catalogue for the asking

THE BAY STATE NURSERIES, North Abington, Mass.

Large Arborvitae, Hemlock and Norway Spruce.

THE FINEST IN THIS COUNTRY. Also other large Evergreens. Some large deciduous trees and large shrubs. Evergreens with balls. State sizes in writing for prices.

THE F. E. CONINE NURSERY CO.,

Stratford, Ct.

JOHN T. WITHERS, Inc.

Landscape Architect and Forester

1 Montgomery St., JERSEY CITY, N. J.

Tree Renovation by Expert Operators.
Stereopticon lectures on Horticulture and Arboriculture.

HOLLAND NURSERIES

Best Hardy Rhododendrons,
Azaleas, Conifers, Clematis,
H. P. Roses, Shrubs, and Herbaceous Plants.

**P. OIJWERKERK, 215 Jane St., Weehawken Hgts.
P. O. No. 1, Hoboken, N. J.**

The word "Sincere" literally means 'without wax' and originated in olden times when wax was used to cover defects in pottery. Whenever a piece of pottery was genuine or free from deception it was said to be "sincere". Horseshoe Brand Giganteum are sincere bulbs because there is no deception in their makeup or marketing. They are grown by experienced lily growers, not amateurs; cultivated and fertilized very carefully; graded in sizes and quality; packed properly and shipped after they are fully matured. Everything done to promote quality that we know of. It is only natural as a consequence of this extra care that Horseshoe Brand Giganteum cost a little more than most brands; and to offset this extra cost they are worth in flowering value all and more than you pay for them. It's the old story of the cheap and the high-priced chisel—ask the carpenter, the man who knows chisel values, which he buys. Same in the bulb business.

WRITE FOR PRICES.



Not How Cheap
But How Good

Ralph M. Ward & Co.

12 West Broadway

NEW YORK CITY

Cold Storage lily bulbs on hand for immediate delivery or later.

Seed Trade

Crop Report from Copenhagen.

Hjalmar Hartmann & Co. report under date of September 25, as follows:

Cauliflower. The prospects are for a good middle crop. If the weather had not been continually dry in July and August the crop would have been abundant.

Cabbage, white and red. The prospects are for a fair crop. Wintering was very favorable owing to the mild winter and practical absence of frost, so that only 5 to 10 per cent of the late cabbages and about 20 per cent. of the early cabbages were lost. The fine spring and good weather in April and May contributed to this favorable result and except in some places where green lice infected the flowering in May, the growth until the ripening was very good. "Copenhagen Market" proves to be only a very poor yielder, as owing to its smoothness and fine quality of heads these are inclined to rot. The general condition of heads for planting for 1912 crop is middle. The plants have suffered through drought and attacks of worms.

Turnips and Swedes. Crop very good.

Mangolds. Crop middle but prices exceedingly high owing to failure in Germany.

Carrots. Crop short.

Grass seed. *Dactylis glomerata*, *Festuca pratensis* and *Poa trivialis*, crop very good and fine qualities; prices high.

Denmark has a large demand for cabbage heads this year as German customers pay 2 cts. per lb. for the same or 10 cents per head. To produce 1 lb. of seeds needs ten heads, on an average. Consequently the stock for growing 1912 seeds approximates about \$1 per lb. already, and there must be added to this growing costs for one year. Wherefore, the crop of 1912 will certainly be scarce, and of named crop there will be only seeds to sell of this year's production provided same not contracted for in advance.

Against Free Seeds.

The paternal interest of the congressmen in their constituents, as manifested by the distributing of free vegetable and flower seeds, does not seem to be truly appreciated by the Vegetable Growers' Association of America, which has just held its annual session at Boston.

Strange to say the president of this influential organization, in his program of work for the year, was so ungrateful as to include a campaign for abolition of free seed distribution by congressmen, and the use of the same money for agricultural development.

The sending around yearly of 40,000,000 packets of free seeds has been one of the most efficient and economical methods of building political fences ever devised by our ingenuous sons.

The receipt of such a packet gives the constituent not merely the same sense of pleasure that comes from a mention of his name in the local newspapers, but it adds the feeling that some representative is right on the job and is trying daily to advance the interests of a property owner and citizen.

So much for the politician's viewpoint. But the tax payer has always been strongly opposed to this method of securing by the bait method the votes of a poor and distribute these seeds.

A seed of a poor crop is not truly called nature's jewel casket. In its silent heart is locked the power of wealth. In the microscopic difference between a good and a poor seed lies the difference between agricultural wealth and poverty. If this governmental distribution had the

farmers to learn the advantages of well selected seed, the money would be well spent.

But the men who are acquiring high cereal yields through attention to the choice of seed, don't probably get their information from the government. Nor would they, unless the government went into the business of seed farming on a vast scale.

Instead they ally themselves with some good seed producing house, many of which are doing such remarkable work. We know of one such that never sends out a seed unless it has tested 86 per cent. of germinations, and the average runs 90 to 95 per cent.

Were all our farmers to use such seed as this, there would not be the pathetic naked spots in our grain fields, which mean half filled barns and high priced bread for the people.—Cairo (Ill.) Bulletin.

Notes.

Baltimore, Md.—Wiseman & Dowece is a new seed firm who have opened a seed store on Pratt street.

Columbus, Ohio—The Meier-Shoemaker Seed Co. have reduced their capital stock from \$50,000 to \$10,000.

Milwaukee, Wis.—Hunkle's seed store has filed an amendment changing its name to the H. G. Hunkle Co.

Mr. Einar Knutsson, representing Hjalmar Hartmann of Copenhagen, is visiting at present the seed trade in the United States and Canada, and will stay two or three months here.

West Hoboken, N. J.—Hans P. and Johanna Irven, doing business as the Beule Seed Store, filed a petition in voluntary bankruptcy on September 26th. Liabilities, \$4,995.11; assets, \$1,900.00.

INCORPORATED.

Portland, Ore.—Articles of incorporation have been filed by the Clackamas Greenhouse Co., capital stock, \$20,000. Incorporators, F. Niklas, Albert Herbert and William Lawrence.

New York, N. Y.—D. J. Pappas, to deal in natural and artificial flowers, shrubs, etc., capital stock \$10,000. Incorporators: Demetrius Pappas, Mammie A. Pappas, Nicholas C. Koutsoukos, all of 275 Broadway.

Sherman, Texas.—Early Wheeler Orchard Co., capital stock \$20,000. Incorporators: T. H. Smith, T. E. Goff, W. W. Rodgers, H. R. Wallace and C. C. Mayhew of Sherman, L. M. Morehead of Dallas, and J. E. Wallace of Fort Worth.

GIANT

English Cyclamen Seed—best strain, \$9.00 per 100. Pansy Seed—home grown, \$5.00 per oz. Mignonette Giant, greenhouse forcing, \$5.00 per oz., ¼ oz. \$1.00.

S. S. SKIDELSKY & CO.
1215 Betz Bldg. Philadelphia

JAPANESE CALLAS

All Sound and Free from Disease

FIRST SIZE

\$6.00 per 100; per 1000 \$55.00

Wholesale Bulb Catalogue Mailed Free

HENRY F. MICHELL CO.

**518 MARKET ST.
PHILADELPHIA**

HEMP SEED

3c. lb.

This special price
for a short time
only. Samples
sent on request.

J. BOLGIANO & SON

Wholesale Seedsmen

Baltimore, Md.

FOR GOLD FRAMES

STRAW MATS

6 x 6, - \$1.50, \$17.00 doz.

BURLAP MATS

6¼ x 6¼, \$1.20, \$14.00 doz.

WM. ELLIOTT & SONS,
42 Vesey St., New York

100,000 FORCING TOMATO PLANTS

in 2¼ inch pots at \$20.00 per M in the following varieties: Comet, Sutton's, Winter Beauty, Sutton's Best Of All, Sutton's Abundance, Sutton's A 1.

Cabbage and Lettuce Plants in unlimited quantities and best market varieties.

FOX HALL FARM, NORFOLK, VA.

COLDWELL LAWN MOWERS

Hand—Horse—Motor

Known All Over the World

Catalogue on Request.

NEWBURGH, N. Y.

ANNOUNCEMENT

We beg to announce to our friends and patrons that Mr. R. J. Irwin is no longer connected with us. S. S. SKIDELSKY & CO. having on this date—October 2nd, 1911—succeeded the concern of Skidelsky & Irwin Co.

We take this opportunity to thank our friends for their favors in the past and to assure them that it shall be our aim to merit their confidence as well as their patronage also in the future.

Respectfully,

S. S. SKIDELSKY & CO.

1215 Betz Building, Phila., Pa.

PEAS, BEANS, RADISH } Write for Prices
and all Garden Seeds

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

Wholesale
SEED GROWERS AND DEALERS



Wholesale Growers of
Onion, Lettuce, Sweet Peas
and other California Specialties

C. C. MORSE & CO.

48 Jackson St. SAN FRANCISCO, CAL.

SEEDS, PLANTS, BULBS

All seasonable kinds of best
quality

Special prices on large lots

JAMES VICK'S SONS,

Seedsman

ROCHESTER, N. Y.

COMPLETE STOCK FRENCH AND DUTCH BULBS

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

CHOICE BULBS

In great variety for present
planting—in-doors and out

THOMAS J. GREY CO.

32 South Market Street, Boston, Mass.

CAULIFLOWER CABBAGE

MANGOLD, SWEDE, TURNIP
LILY OF THE VALLEY PIPS

HJALMAR HARTMANN & CO.
COPENHAGEN, DENMARK.

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POULTRY and FRUIT REVIEW

A publication on the farm journal that reviews all poultry and fruit papers in United States, will be sent on trial one year to all who send 16 cents, to pay wrapping and postage, and names of three fruit or poultry raisers.

THE REX COMPANY

HARRISBURG, PA.

...THE...

J. C. Robinson Seed Co.

Waterloo, Neb.

Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pump'in Seed; Sugar, Flint and Field Seed Corns.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

ONION SEED

We have a choice lot of new crop Silver Skin or Portugal, also other varieties. Write for prices.

SCHILDER BROS.

CHILLICOTHE . . . OHIO

Farquhar's Flower Seeds for The Florist

Write for our Wholesale
Catalogue

R. & J. FARQUHAR & CO.
Boston, Mass.

Established 1820

*Thorburn's
Bulbs*

Wholesale Catalogue

NOW READY

Send for a Copy

J. M. THORBURN & CO.

33 Barclay Street

NEW YORK

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

Sphagnum Moss

In Burlap Bales; per bale \$1.00, 6 bales for \$5.00, 10 bales for \$8.00.

Larger Lots at Lower Prices.

The W. W. Barnard Co.

108-110 W. Kinzie St., CHICAGO

In ordering goods please add "I saw
it in HORTICULTURE."

Burpee's Seeds
PHILADELPHIA

Blue List of Wholesale Prices mailed
only to those who plant for profit.

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Aldine 880. Aldine 881. Aldine 882.

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**Kansas City, Mo.
913 Grand Ave.**

All Orders Given Prompt and Careful Attention



GUDE BROS. CO.
FLORISTS
1214 F ST. NW
WASHINGTON D.C.

**WASHINGTON,
D. C.**

GUDE'S

The Far-Famed Flowers of
TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP
96 Yonge St., - - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE
Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.

Members Florists' Telegraph Assn.

ALBANY, N. Y.

EYRES
Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

Rockland, Me.—Walter O. Frost,
florist, is succeeded by W. A. Ripley,
at 253 Camden street.

Chicago, Ill.—The Fleischman Flor-
al Co., has reduced its capital stock
from \$100,000 to \$10,000.

Lawrence, Mass.—The florist store
of Wm. F. Reagan, 504 Essex street,
was entirely gutted by fire on Sept.
28.

Buffalo, N. Y.—Mrs. M. H. Klokow,
florist, 7 Wadsworth street, has sold
out to Miss Cantlin, a former em-
ployee.

Reading, Pa.—B. & L. Steckler, flor-
ist, 1018 Center avenue, have erected
a building for a salesroom in front of
their greenhouses.

STEAMER DEPARTURES

Allan.

Numidian, Boston-Glasgow...Oct. 13

American.

St. Paul, N. Y.-S'ampton...Oct. 14

Anchor.

Caledonia, N. Y.-Glasgow...Oct. 14

Atlantic Transport.

Minnehaha, N. Y.-London...Oct. 14

Cunard.

Ultonia, N. Y.-Mediterranean...Oct. 12

Frankonia, Boston-Liverpool...Oct. 17

Lusitania, N. Y.-Liverpool...Oct. 18

Holland-America.

Noordam, N. Y.-Rotterdam...Oct. 10

Rotterdam, N. Y.-Rotterdam...Oct. 17

Hamburg-American.

Pres. Grant, N. Y.-Hamburg...Oct. 10

Amerika, N. Y.-Hamburg...Oct. 14

Leyland.

Devonian, Boston-Liverpool...Oct. 14

North German Lloyd.

K'p'z Wilhelm, N. Y.-Br'm'n...Oct. 10

K'p'z'n Cecille, N. Y.-Br'm'n...Oct. 17

Red Star.

Vaderland, N. Y.-Antwerp...Oct. 14

White Star.

Arabic, Boston-Liverpool...Oct. 10

Cedric, N. Y.-Liverpool...Oct. 12

Oceanic, N. Y.-S'ampton...Oct. 14

London, Ont., Can.—F. Dick, carnation grower, has bought out the store of Miss Wert on Dundas street and will now retail his own stock.

Jersey City Heights, N. J.—The flower store of Herman J. Bauriedl, 489 Central avenue, was entered by a sneak thief on Sept. 18 and a diamond ring and some change taken from the cash drawer.

Cincinnati, O.—D. Rusconi, dealer in bulbs and plants, 128 West Sixth street, in passing his store on Sunday night, Sept. 24, noticed his safe had been removed. He entered in time to hear the thieves run away, but an examination of the safe showed the contents intact.

Boston, Mass.—Julius A. Zinn reports that business is exceptionally good. This week, owing to the orders he has received for the wedding of one of Denver's prominent citizens to a member of the Castle Sq. Opera Co., he will be more than busy.

Penn., of Bromfield street, is also unusually busy this week and judging from the air of hustle in and about his remodelled store the flower business of Boston is in a very healthy state for so early in the season.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill

Cable Address, ALEXCONNELL

NEW YORK

Orders for Steamer, Theatre, Hotel, or
Residence Carefully Filled.

Wm. H. LONG

412 Columbus Ave.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

Established 1874.

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FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph and Cable address, Dardspior

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points,
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

BUFFALO

S. A. ANDERSON

440 MAIN STREET

Special Deliveries Niagara Falls
and Lockport

"THE HOME OF FLOWERS"

The largest cut flower store in America.
Orders for the TWIN CITIES and for all
Northwestern points given prompt at-
tention.

HOLM & OLSON, Incorporated

ST. PAUL, MINN.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN

194 Boylston Street, Boston

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JACOB SCHULZ

550 South Fourth Ave.

Rubber Stamps, Stencils

Seals, Steel Stamps, Hotel Baggage and Key Checks, Badges, Burning Brands, Pew Numbers, Numbering Machines, Check Protectors, Stencil Combinations, Steel Alphabets and Figures, Indelible Inks, Stencil Colors and Brushes, Door Plates, Rubber Type, Illustrated Catalogue of nearly 100 pages sent with first order or upon receipt of 5 two-cent stamps. Agents wanted.

THE REX COMPANY, Harrisburg, Pa.

IN THE SWIM

*I must be in the swim,
You might forget my name,
And say that I am to blame,
If you do not get the best.*

Christmas Trees, Spruce or Balsam, from one foot to thirty, in any quantity; Baled Spruce, Balsam, Hemlock Boughs, Laurel and Evergreen Festooning and Wreaths, Sphagnum Moss, Hardy Cut Fancy and Dagger Ferns, Yearly Contracts Made. Send for Price List and order your Christmas Trees now. **GET THE BEST.**

**H. J. SMITH, Hinsdale, Mass.
BOSTON, MASS.**

Penn. the Florist

"Penn. The Telegraph Florist"

37-43 BROMFIELD STREET

THE ROSERY

76 MAIDEN LANE

ALBANY, N. Y.

FLOWER DELIVERIES FOR ALBANY
AND VICINITY

THE Florists' Supply House of America

**H. BAYERSDORFER & CO.
1129 Arch St., Philadelphia, Pa.**

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston
and all New England points to

**THOS. F. GALVIN
124 Tremont St., Boston**

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

**JULIUS A. ZINN
1 Park St., Boston**

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall
Schools. **TALBY, Wellesley, Mass.**
Tel. Wellesley 44-1 and 2. Night 44-3

NEWS NOTES.

Detroit—The McHugh Floral Co. has added a good sized conservatory to their store.

M. Rice & Co., of Philadelphia report very heavy receipts of beech sprays, moss wreaths and cypress leaves. Shipments of general florists' supplies and ribbons to the trade during September were the biggest in the 26 years' experience of the firm.

AN UP-TO-DATE RIBBON HOUSE.

When you say "ribbons" you think of Wertheimer, don't you? It is rarely that one visits that busy place on Broadway, New York, that he is not shown something new, something better for the florists' special use than was ever offered before. Calling on them a few days ago we were shown two beautiful new productions—"Silverine" ribbon, silver in effect and tarnish-proof, and "Autumn-leaf" ribbon in all autumn tints, especially appropriate for use during the next few weeks. Then there's a radically new chiffon, pattern 891, which as soon as it is let out promises to be the talk of the retail trade. Write and ask, "What is it?"

We were much interested in the many devices for encouraging the wearing of corsage flowers by ladies. It is no small service these brothers are doing for the florist trade—especially the growers of rare and high-class flowers—in making possible a revival of the time-honored fashion of decking the gown with fresh flowers, without injury to the fabric. Some criticism was made over the award by the S. A. F. of certificates of merit in the florists' supply department at Baltimore, but there are several standpoints from which to consider these things and we can see how in awarding certificates to Wertheimer's corsagette and "Werbro" corsage shields the judges didn't go so very far wrong even from the point of view of the flower grower. The corsage shields are transparent celluloid cut into proper shape and with apertures for the insertion of pin and ribbon. The corsagettes are dainty, lacey things and are provided in all colors, to match dress, etc. There are no less than fifteen different new styles of corsage ribbon of indestructible waterproof material and your lady customers only need, like the man from Missouri, to be shown.

NEW FLOWER STORES.

Terre Haute, Ind.—Charles Erne.
Minneapolis, Minn.—Willard Secor.
Amboy, Ill.—C. M. Weaver, Hegert building.
Buffalo, N. Y.—John Kreamer, 50 W. Chippewa street.
San Francisco, Cal.—A. Mann, Hearst Examiner building.
Nashville, Tenn.—L. H. Haury & Son, Tulane Hotel.
Harrisburg, Pa.—A. L. Patton, 19 South Fourth street.
Los Angeles, Cal.—C. A. Brunger, 337 South Spring street.
Brockton, Mass.—Andrews, the Florist, 188 Main street.
Syracuse, N. Y.—Fairmount Flower Shop, 111 East Onondaga street.
New York, N. Y.—Craig Muir, Forty-second street, between Fifth and Sixth avenues.

A HOLIDAY.

Correspondents will please note that as Columbus Day, which is a legal holiday, falls upon our regular publication day next week—Thursday, October 12—we shall go to press on Wednesday and consequently all news matter, advertisements, etc., intended for that week's issue should be mailed one day earlier than usual.

CINCINNATI NOTES.

Geo. Mack, who was seriously ill, is reported as much better.

Harry Sunderhaus is now with C. E. Critchell's clerical force.

E. G. Gillett and E. A. Foster went to New Castle, Ind., on Tuesday.

J. Chas. and Louis Murphy lost their father by death last week. They have the sincerest sympathy of their many friends.

Bloomhurst Floral Co. are cutting a most excellent crop of Tafts. This rose has surely demonstrated that it is the best summer pink rose on the market.

The Flower Show Committee have, in addition to their own efforts, the co-operation of the Cincinnati Convention Association, and the many railroads running in all directions from this city. The committeemen are very confident of the success of the affair and feel that all that is necessary now to make it a success is the coming out in force of exhibitors, for the crowd and money is assured. Advertising matter is being put out as fast as it leaves the press.

Visitor: Hollingsworth, the Florist, of Atlanta, Ga.

THE NEW BREITMEYER STORE.

Following a cordial invitation of Mr. Breitmeyer many of the Detroit florists availed themselves to visit and inspect his new store with their wives. The store proper is entirely fireproof and measures 44 feet wide, 73 feet 5 inches long, with a conservatory of the same width and 37 feet 9 inches long extending back to the alley. A full sized basement gives still more room for working and the storing of the many things which make up his full compliment of an up-to-date store.

No expense has been spared to make the store attractive and practical to turn out big work in a short time. The store is occupied now but the official opening will be Saturday, Oct. 7.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Albany, N. Y.—The Rosery, 76 Maiden Lane.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edw. MacMulkin, 194 Boylston St.
Boston—Penn. the Florist, 37-43 Bromfield St.
Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's 304 Main St.
Buffalo, N. Y.—S. A. Anderson, 440 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Denver, Col.—Park Floral Co., 1643 B'way.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Kansas City, Mo.—Samuel Murray, 912 Grand Ave.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 611 5th Ave.
New York—W. H. Long, 412 Columbus Av.
New York—Young & Nugent, 42 W. 28th.
New York—Dards, N. E. cor. 44th St. and Madison Ave.
St. Paul, Minn.—Holm & Olson.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.
Washington, D. C.—Gude Bros., 1214 F St.
Wellesley, Mass.—Talby.

Gloucester, Mass.—Samuel Curtis, of the firm of S. Curtis & Sons, florists, was struck by an automobile on September 27 and considerably bruised.

For this week we are offering at attractive prices, representing good value:

BEAUTIES

\$1.00-\$3.00 per dozen.

CATTLEYAS

\$5.00 per dozen. Special price in quantity.

DAHLIAS

\$1.50-\$3.00 per 100.

DOROTHY PEACOCK, \$5.00 PER 100.

Business Hours, 7 A. M. to 8 P. M.

The Leo Niessen Co.

WHOLESALE FLORISTS

N. W. Corner
12th and Race Sts., **PHILADELPHIA**

To Cut Flower Growers and Retail Florists

IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

THE BEST LETTERS

FOR
FLORIST'S
USE

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THOSE
MADE
BY THE

Boston Florist Letter Co

66 PEARL ST., BOSTON

N. F. McCarthy, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock.

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

George B. Hart

WHOLESALE
FLORIST

24 Stone St., Rochester, N.Y.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention to shipping orders. Jobbers of Florists' Supplies, Seeds and Bulbs. Price list on application.

Phone Main 584 316 Walnut St., Cincinnati

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	BOSTON Oct. 7		CHICAGO Oct. 3		ST. LOUIS Oct. 3		PHILA. Oct. 3	
Ara. Beauty, Fancy and Special...	15.00	to 25.00	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00
Extra	10.00	to 15.00	15.00	to 20.00	10.00	to 12.50	12.50	to 20.00
No. 1	6.00	to 10.00	10.00	to 12.00	5.00	to 6.00	8.00	to 12.50
Lower grades	2.00	to 4.00	4.00	to 8.00	3.00	to 4.00	4.00	to 8.00
Richmond Chateaux, Fancy & Spl.	3.00	to 5.00	6.00	to 8.00	4.00	to 6.00	4.00	to 6.00
Lower grades	.50	to 2.00	3.00	to 5.00	2.00	to 3.00	2.00	to 4.00
Killarney, Maryland, Fan. & Spl.	4.00	to 8.00	6.00	to 8.00	4.00	to 6.00	4.00	to 8.00
Low grades	.50	to 2.00	3.00	to 5.00	2.00	to 3.00	2.00	to 4.00
Bride, 'Maid	.50	to 6.00	3.00	to 6.00	2.00	to 4.00	2.00	to 6.00
Kaiserin, Carnot, Taft	2.00	to 8.00	3.00	to 6.00	2.00	to 4.00	2.00	to 8.00
CARNATIONS, First Quality..	2.00	to 3.00	.....	to 2.00	2.00	to 3.00	2.00	to 3.00
Ordinary	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50	1.00	to 1.00
MISCELLANEOUS								
Cattleyas	35.00	to 40.00	40.00	to 50.00	50.00	to 60.00	40.00	to 50.00
Lilies, Longiflorum	6.00	to 10.00	8.00	to 10.00	8.00	to 10.00	8.00	to 12.50
Lily of the Valley	2.00	to 3.00	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Chrysanthemums	12.50	to 16.00	12.00	to 25.00	15.00	to 25.00	10.00	to 20.00
Gladioli	1.00	to 2.00	2.00	to 3.00	3.00	to 4.00	2.00	to 4.00
Asters	.25	to 1.50	1.00	to 2.00	1.00	to 3.00	.50	to 1.00
Violets	.25	to .50	.....	to .....	.....	to .....	.....	to
Dahlias	.....	to .....	.....	to	2.00	to 3.00	1.00	to 2.00
Sweet Peas	.....	to .....	.50	to 1.00	.....	to .....	.35	to .50
Gardenias	8.00	to 10.00	.....	to .....	.....	to	1.00	to 1.50
Adiantum	1.00	to 1.50	.....	to 1.00	1.00	to 1.25	.....	to 1.00
Smilax	12.00	to 15.00	12.00	to 18.00	12.50	to 15.00	15.00	to 20.00
Asparagus Plumosus, strings (100)	.....	to 50.00	50.00	to 60.00	35.00	to 50.00	35.00	to 50.00
" " & Spreng. (100 bchs.)	16.00	to 35.00	30.00	to 50.00	10.00	to 30.00	25.00	to 50.00

J.A. BUDLONG

82-84-86 E. Randolph St., Chicago

OUR STOCK IS A-1 AND IT IS QUALITY NOT PRICES THAT TALKS

Chicago Flower Growers' Association

Wholesale Growers of Cut Flowers and Plants

176 N. MICHIGAN AVE., BETWEEN RANDOLPH AND LAKE STREETS, CHICAGO

HENRY M. ROBINSON & CO.

15 Province St., 9 Chapman Pl.,
BOSTON, MASS.

Everything in Flowers

Complete Stock of Florists' Greens,

Three Floors of Florists' Supplies.

TRY MY PRICES.

J. JANSKY, Tel. Main 3652-1, Boston, Mass.
19 Province St.

Manufacturer of Florist Wire Designs,
All kinds of Florist Supplies.

New crop Dagger and Fancy Ferns, \$1.75 per 1000. Green and Bronze Galax, 90c. per 1000; by the case, \$7.50. Boxwood, 50-lb. case, \$7.50; by the lb., 25c. Laurel Wreaths, 10-inch, \$1.75 per doz.; 12-inch, \$2.25 per doz.; 14-inch, \$3.00 per doz.; 16-inch, \$4.50 per doz. Laurel Trimming, 4 and 5c. per yd.

Flower Market Reports

BOSTON The present week seems like an old fashioned revival in the flower trade in Boston market. The receipts have shortened up in quantity, especially on garden stock, and a good clear field is left for anyone having a present crop of nice indoor material of any sort. This is not likely to be a very permanent condition, though, as the chrysanthemum incursion will make short work of it as soon as it begins in earnest. Roses and carnations are doing finely this week. Cattleyas are having the advantage of a busy market, and although coming in with great rapidity the supply is nicely absorbed. Violets begin to make an impression. They are single varieties as a rule, and quality is excellent for so early a date.

CHICAGO Fifteen rainy days in the month of September naturally made the trade anticipate a change with the coming in of October. So far, however, they have been disappointed and the retailer especially is finding trade business very dull in consequence. The wholesaler who has a shipping trade is not affected by the rain except in the quality of his stock, which is about up to an average year, notwithstanding. Carnations are not coming in quite as strong as when brighter weather prevails, but many excellent ones are seen. Beauties are fast going off crop at some of the houses. There is a good demand for them and none go to waste. Killarneys are excellent and the supply covers all lengths. Melody shows up a deep yellow in spite of the dark days and those who are trying this rose seem well satisfied with its behavior. Chrysanthemums are fast becoming queen of the day. October Frost, Golden Glow and Smith's Triumph are the three varieties now in, with the yellows outselling the white. Asters are not considered a very good commodity now, though good ones usually find sale. Dahlias packed in special boxes make fine counter display, but are not general favorites with the trade. As if the wholesalers did not have enough troubles of their own, asters are now coming in from Massachusetts (?). With the abundance of white chrysanthemums now in the market asters are not selling particularly well and the quality of the eastern stock is not in the "fancy" class.

As the cooler weather approaches the market approaches the busy season aspect. Roses and carnations rather than asters and gladioli are the popular blooms. The season of the latter two has been somewhat different than in the past. Both came in later than usual and at first brought the very highest prices. Then early asters soon were in a glut. This glut lasted through mid-season, until the late ones came in. These were in larger quantities than ever before and naturally brought only bottom prices. The gladioli held at their high prices for a time and soon were glutted and remained that way, off and on, for the balance of the season. Roses of all kinds are in strong supply and while last week the demand was erratic, this week, up



DAHLIAS

For Decorative
and
Wedding Work



At this time they are at their best, some beautiful varieties, all colors, large and small, good long stems. In decorative work Dahlias and Singles are wonderfully effective; typical Fall flowers. Orders received before noon can be shipped the same day direct from the Dahlia Farms at Alto and Hammonden, N. J.; the best growers in the country.

The Choice..... \$2.50 per 100
Choice 2.00 per 100
Good Mediums..... 1.50 per 100

BEAUTIES

Specials	\$25.00 per 100
Fancies	20.00 per 100
Extra	15.00 per 100
Firsts	12.50 per 100
Seconds	10.00 per 100

CATTLEYAS

\$6.00 per doz.; \$35.00 per 100; 50 at the Same rate.

VALLEY

Special, \$4.00 per 100; Extra, \$3.00 per 100.

Distributing Agents for the Great New Roses for 1912

DOUBLE WHITE KILLARNEY and KILLARNEY QUEEN

Grafted, \$250.00 per 1000.

Own Root, \$200.00 per 1000.

SUPPLIES OF ALL KINDS

RIBBONS—THE P/M QUALITY.

Exclusive, Refined and Up-to-date Styles.

S. S. PENNOCK-MEEHAN CO.

THE WHOLESALE PHILADELPHIA FLORISTS OF

NEW YORK
109 W. 28th Street

PHILADELPHIA
1608-1620 Ludlow Street

WASHINGTON
1212 New York Ave.

WHOLESALE FLOWER MARKETS.—TRADE PRICES—Per 100 TO DEALERS ONLY

	CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
ROSES	Oct. 3		Oct. 3		Oct. 3		Oct. 3	
Am. Beauty, Fan. and Sp.....	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00
" Extra	15.00	to 20.00	15.00	to 20.00	15.00	to 20.00	15.00	to 20.00
" No. 1.....	10.00	to 15.00	10.00	to 15.00	8.00	to 10.00	8.00	to 15.00
" Lower grades.....	4.00	to 10.00	4.00	to 8.00	3.00	to 4.00	6.00	to 15.00
Richmond, Chatsenay, Fan. & Spl.....	6.00	to 8.00	6.00	to 8.00	6.00	to 8.00	6.00	to 8.00
" Lower Grades	3.00	to 5.00	3.00	to 6.00	2.00	to 4.00	2.00	to 6.00
Killarney, Maryland, Fan. & Spl.....	6.00	to 10.00	6.00	to 8.00	6.00	to 7.00	6.00	to 8.00
" Low. Grades.....	2.00	to 5.00	3.00	to 6.00	2.00	to 4.00	2.00	to 4.00
Bride, 'Maid,	3.00	to 6.00	4.00	to 8.00	3.00	to 6.00	2.00	to 4.00
Kaiserin, Carnot, Taft	4.00	to 8.00	4.00	to 8.00	6.00	to 7.00	2.00	to 8.00
CARNATIONS, First Quality	1.50	to 2.00	2.00	to 3.00	2.00	to 2.50	1.50	to 2.00
Ordinary .....	.75	to 1.00	1.00	to 2.00	1.00	to 1.50	.75	to 1.00
MISCELLANEOUS								
Cattleyas	30.00	to 50.00	35.00	to 50.00	50.00	to 60.00	10.00	to 50.00
Lilacs, Longiflorum.....	10.00	to 12.50	10.00	to 12.50	10.00	to 12.00	10.00	to 12.00
Lily of the Valley.....	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Chrysanthemums	12.50	to 15.00	12.50	to 15.00	15.00	to 20.00	10.00	to 20.00
Gladioli	2.00	to 5.00	2.00	to 5.00	2.00	to 3.00	1.00	to 3.00
Asters	1.00	to 3.00	1.00	to 3.00	1.00	to 1.50	1.00	to 1.50
Violets	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50
Dahlias	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50
Sweet Peas	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50
Gardenias	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50
Adiantum	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50
Smilax	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50
Asparagus Plumosus, strings (100)	40.00	to 50.00	40.00	to 50.00	40.00	to 50.00	40.00	to 50.00
" " & Spreng. (100 bchs.)	25.00	to 35.00	25.00	to 35.00	25.00	to 35.00	25.00	to 35.00

till the end of the first half cleaned up nicely. The carnations are good. Lilies are bringing better prices than a few weeks ago. Chrysanthemum offerings include white and yellow and so far have been mostly all choice. More lily of the valley might be used. The late crop of cosmos is now being cut.

It is hard to explain the choked up, encumbered condition of the wholesale market here at certain periods other than on the assumption that the growers and shippers of dahlias and other easily grown material have multiplied and the ex-

Continued on page 511

M. C. FORD

Successor to

FORD BROTHERS

121 West 28th Street NEW YORK

FINE ROSES. FANCY CARNATIONS

A Full Line of All CUT FLOWERS.

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Choice Cut Flowers,

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**Greater New York
Florists' Association, Inc.**

Now Open for Cut Flower Consignments.

162 Livingston Street, BROOKLYN, N. Y.

Geo. W. Crawbuck Telephone Connection
Manager 3642-43 Main**Moore, Hentz & Nash**

Wholesale Commission Florists

55 and 57 West 26th Street

Telephone No. 786
Madison Square New York**WM. P. FORD****Wholesale Florist**

45 W. 28 Street, NEW YORK

Call and Inspect the Best Establishment
in the Wholesale Flower District**A. MOLTZ & CO.**

Wholesale Florists

A. MOLTZ MAURICE L. GLASS

Coogan Building, 55-57 West 26th Street

NEW YORK CITY

Telephone 2921 Madison Square Open from 5 a. m. to 6 p. m.

THE KERVAN COMPANYFresh Cut Evergreens, Mosses,
Southern Smilax, Galax and Leucothoe.
Preserved and Fresh-cut
Cycas and Palmetto.Tel. 1519 (Mad. Sq.) 113 W. 28 St., New York.
5893**REED & KELLER**

122 West 25th St., New York

Florists' Supplies

We manufacture all our

Metal Designs, Baskets, Wire Work & Novelties
and are dealers in

Decorative Glassware, Greens and Florists' Requisites

P. J. SMITH

Successor to JOHN I. RAYNOR

Wholesale Commission FloristA full line of Choice Cut Flower Stock for all purposes.
by the 100, 1000 or 10,000SELLING AGENT FOR
LARGEST GROWERS

The HOME OF THE LILY

TEL. 1998 MADISON SQUARE

49 West 28th St., New York City

Walter F. Sheridan

Wholesale Commission Dealer in

CHOICE CUT FLOWERS

133 West 28th Street, New York

Telephone—3532-3533 Madison Square

HEADQUARTERS FOR NOVELTIES**ORCHIDS A SPECIALTY**

THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND

GARDENIAS, DAISIES, ROSES AND CARNATIONS

JAMES McMANUS, Tel. 759
Mad. Sq., 55 W. 28th St., New York**NEW YORK QUOTATIONS PER 100. To Dealers Only****ROSES AND CARNATIONS**

	Last Half of Week ending Sept. 30 1911		First Half of Week beginning Oct. 2 1911	
American Beauty, Fancy and Special.....	12.00	to 25.00	12.00	to 25.00
" " Extra.....	10.00	to 15.00	8.00	to 12.00
" " No. 1.....	4.00	to 8.00	5.00	to 6.00
" " Lower Grades.....	1.00	to 3.00	1.00	to 3.00
Richmond, Chateaux, Extra and Special.....	2.00	to 4.00	2.00	to 6.00
" " Lower Grades.....	.50	to 2.00	1.00	to 3.00
Killarney, My Maryland, Extra and Special.....	3.00	to 6.00	2.00	to 8.00
" " Lower Grades.....	.50	to 2.00	1.00	to 2.00
Bride, Maid.....	.50	to 4.00	1.00	to 4.00
Kaiserin, Carnot, Taft.....	2.00	to 6.00	1.00	to 8.00
Carnations, First Quality.....	1.00	to 1.50	2.00	to 3.00
" " Ordinary.....	.50	to .75	1.00	to 1.50

BADGLEY, RIEDEL & MEYER, Inc.
WHOLESALE FLORISTS

34 West 28th Street, New York

Telephones { 1664 / 1665 } Madison Square

CONSIGNMENTS SOLICITED

SIEBRECHT & SIEBRECHT

Wholesale Florists

136 W. 28th St., New York City

Phone 8346 Madison Square
CONSIGNMENTS SOLICITED

Frank H. Traendly Charles Schenck

TRAENDLY & SCHENCK

Wholesale Florists

131 West 28th St., New York

Telephones: 798 and 799 Madison Square

Consignments Solicited

CENTRALLY LOCATED, THE HUB OF THE
FLOWER MARKET SECTION**CHARLES MILLANG**

Wholesale Florist

55 & 57 W. 26 St., NEW YORK

Telephone 7062 Madison

A. L. YOUNG & CO.

WHOLESALE FLORISTS

Choice Cut Flowers

CONSIGNMENTS SOLICITED

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WILLIAM F. KASTING Co.
Wholesale Florists
 383-387 ELLICOTT ST. - - BUFFALO, N. Y.

Flower Market Reports.

(Continued from page 509)

pert underglass growers have at the same time become more expert in the production of early crops. With such a congestion as prevailed here last week it could hardly be expected that any great change for the better could come so long as heavy, killing frosts hold off. Yet the unexpected has happened, and there is a sudden clamor on all sides which has put joy into the hearts of the grower and stiffness into the wholesaler's backbone. Hope it will last a little while.

There was a **PHILADELPHIA** distinctly improved tone to the market here last week. Business has really set in at last. Stocks continue plentiful in nearly all lines, and on the whole are of excellent quality. We have not seen the dahlia in better shape than it has been this year, and they have sold surprisingly well. The asters suffered from the drought early in the season, and the fall rains did not come in time for them (as they did for the dahlias), so that the quality of the crop was below previous standards. Polly Rose has made its appearance, and this with the two previous varieties, Golden Glow and Montmort, gives enough variety to make them a factor. These have been going in many cases where choice stock was required, in place of American Beauty roses which have been rather scarce the past week. Heavy supplies are arriving of cattleyas, dendrobiums and oncidiums. The demand is rather spasmodic, and the price tendency is much in favor of the buyer. Gardenias have ceased for the time being. Heavy arrivals of lily of the valley of most excellent quality. Cosmos now at its best. Bouvardia is in.

The between-season **PROVIDENCE** lull was never more strikingly felt than during the past week and the market has been practically dead. Very fine roses are now being shown and the prices range from \$10 to \$12. Carnations stiffened in price the middle of the week with a strong demand. The supply is short and quality fair, choice flowers bringing as high as \$2.50 per 100. The chrysanthemums, although very limited in quantity, have been of fine quality for the early season. The better grades are bringing from \$2 to \$3 per dozen. Violets have been coming rather slow and the quality has not been such as to excite trading in this particular line. Asters

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Sept. 30 1911		First Half of Week beginning Oct. 2 1911	
Cattleyas	25.00	to 35.00	20.00	to 35.00
Lilies, Longiflorum	3.00	to 6.00	3.00	to 5.00
Lily of the Valley	1.00	to 2.00	1.00	to 2.00
Chrysanthemums	6.00	to 16.00	6.00	to 16.00
Asters.....	.15	to 1.00	.15	to 1.00
Daisies.....	.10	to .25	.10	to .25
Dahlias.....	.....	to .....	.....	to
Violets.....	.10	to .25	.10	to .40
Gardenias	8.00	to 12.00	8.00	to 12.00
Adiantum.....	.50	to .75	.50	to .75
Smilax	6.00	to 8.00	6.00	to 8.00
Asparagus Plumosus, strigatus.....	.....	to 35.00	.....	to 35.00
" " & Spreng. (100 bchs).....	10.00	to 20.00	10.00	to 20.00

have bid farewell and the market is bare.

ST. LOUIS The flower market last week was quite good in both demand and consignments. Some of our leading retailers say that they expect the business to improve daily from now on and that this week there have been a lot of orders booked for work of all kinds. What should be of some help to all in the trade is that the market affords most anything the buyer wants and reasonable prices. There are very few asters. Gladioli and tuberose stalks are still coming in but the season on them is about ended.

WASHINGTON Stock was very plentiful in the local market last week, so much so that the demand was great enough to allow of the disposal of all offered. The latter part of the week was somewhat livelier than has been the case lately, due in part to cooler weather. Roses are improving in quality but the output greatly exceeds the demand. Cattleyas remain about the same. Greens are moving well and the prospects for increased sales look good. Early yellow chrysanthemums (Golden Glow) seem to be at an end, and the early white ones have not as yet made their appearance in any great quantities. Carnations are improving in quality. The public seem to be shy on the reds as this color moves much more slowly than the other varieties. Dahlias are more plentiful, but there is much poor stock among the shipments. Cosmos is plentiful, but does not sell well. Business in the Center Market the latter part of last week showed a slight increase. A. S. Burns & Co., of Spring Valley, N. Y., are shipping some exceptionally good lines into this market.

PROVIDENCE FLOWER MARKET.

The opening of the Wholesale Flower Market at Providence, R. I., which was to have taken place last

Monday, has been postponed to October 16th, a scarcity of flowers being responsible for the change at the last minute. With the exception of roses there is very little on the market and the growers decided that it was useless for them to attempt to start the new project unless they had sufficient stock to make a good showing. The sale of the stalls was opened last Saturday afternoon with W. E. Chappell, Secretary of the Florists' and Gardeners' Club, as auctioneer. There are 28 stalls completed and the rental fee was fixed at \$52 per annum, payable in advance. A premium of \$21 was paid by O. H. Williams & Sons for the first choice. The bidding at first was brisk, but soon ceased and the minimum was reached at \$3.

The purchasers of stalls were: O. H. Williams & Sons, Wm. Hoffman, F. Macrae & Sons, W. S. Nichol, Geo. Jansen, J. A. Macrae, Burke Rose Co., Inc., G. H. Cushing, H. A. Burlingame, Jos. Kopelman & Co., Albert Holscher, E. E. King and John Marshall.

Four applications have been made for the position of manager. The market will be open from 7 a. m. to 5 p. m.

BOSTON MARKET NOTES.

George McAlpine who started rose-growing at Exeter, N. H., early this year, is already cutting some fine stock.

William Patterson of Wollaston, Mass., has an excellent supply of the hardy chrysanthemum Brown Betty, which has been especially popular with the trade in this vicinity.

A. Leuthy, proprietor of Perkins Street Nursery, Roslindale, Mass., has just received a shipment of over 20,000 azaleas and among them are many novelties that will be shown for exhibition purposes this year, and which will later be offered to the trade. He also states that the kentias he has received are about the best he has ever placed upon the market.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one-cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
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ACHYRANTHES

Achyranthes. P. de Bailey, 2 in., \$2.50 per 100.

THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

ADVERTISING SERVICE

McFarland Publicity Service,
Harrisburg, Pa.

AGERATUM

Ageratum, Stella Gurney, 2 in., Princess Pauline, 2 in., \$2.00 per 100.

THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

ALTERNANTHERAS.

Chas. H. Totty, Madison, N. J.
For page see List of Advertisers.

Alternanthera, rooted cuttings, Aurea Nana, Brilliantissima, Paronychoides Major, \$5.00 per 1000.

THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

ALYSSUM

Alyssum, double giant. Large 2½-inch plants, \$2.00 per 100. Jos. Traudt, Canajoharie, N. Y.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

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Godfrey Aschmann, 1012 Ontario St., Philadelphia.

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Henry A. Dreer, Inc., Philadelphia, Pa.
For page see List of Advertisers.

Araucaria Excelsa, 4 in., 4 tiers, 50c. each, \$6.00 doz.

THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

ARTIFICIAL FLOWERS.

Markovits Bros., Importers and Manufacturers of Natural Ferns, Palm and Wax Roses, 954 Milwaukee Ave., Chicago, Ill.
Phone Monroe 4530.

ASPARAGUS

A. Leuthy & Co., Roslindale, Mass.

Asparagus Plumosus Nanus.

For page see List of Advertisers.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Asparagus plumosus seedlings, clumps, sprays and seeds. Write for prices. Peter Mack, Orlando, Fla.

Asparagus plumosus, 3 in., 6c. A. Sprenger, 3 in., 4c.; 4 in., 6c.; 5 in., 12c. Schneider, Florist, Springfield, Ohio.

Asparagus Sprenger and Plumosus, fine extra strong healthy stock from 3 in. pots, \$3.00 per 100, cash. No better stock ever offered for the money. Plant now to cut from. O. B. Kenrick, 52 Alexander Ave., Belmont, Mass.

15,000 A-1 2 inch Asparagus Plumosus, \$20.00 per 1000; \$2.50 per 100. 3,000 extra strong 2 inch Sprenger, large enough for four inch pots, \$15.00 per 1000; \$2.00 per 100. Send five cents in stamps for sample. Cash with order. Satisfaction guaranteed. Erdman & Ulrich, Belair Road, Baltimore, Md.

Asparagus Baskets, \$1.00, \$1.50 and \$2.00 each. Asparagus Plumosus, 2 in., \$3.00 per 100; 3 in., \$1.00 doz., 88c. per 100. Scandens Delavus, 4 in., \$1.50 doz. Sprenger, 3 in., 75c. doz. \$6.00 per 100, \$5.00 per 1000; 4 in., 75c. at 1000, \$1.50 doz., \$10.00 per 100, 88c. per 1000.

THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
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A. Leuthy & Co., Roslindale, Mass.

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Loechner & Co., New York, N. Y.

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BAY TREES

A. Leuthy & Co., Roslindale, Mass.

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Boblink & Atkins, Rutherford, N. J.

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Bay Trees and Box Trees, all sizes
Write for special List
Julius Roehrs Co., - - Rutherford, N. J.

BEGONIAS

A. Leuthy & Co., Roslindale, Mass.

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Thomas Roland, Nahant, Mass.

Lorraine Begonias.

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BOILERS

Kroeschell Bros. Co., 466 Erie St., Chicago.

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BOXWOOD SPRAYS

Tree variety goods. Quality guaranteed. Write us your requirements. Jones, The Holly Wreath Man, Milton, Delaware.

BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.

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Boblink & Atkins, Rutherford, N. J.

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A. Leuthy & Co., Roslindale, Mass.

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Julius Roehrs Co., Rutherford, N. J.
Box Trees all sizes. Ask for special list.

BOXES—CUT FLOWER—FOLDING

Edwards Folding Box Co., Philadelphia.

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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.

French and Dutch Bulbs.

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J. M. Thorburn & Co., 33 Barclay St., N. Y.

Wholesale Catalogue.

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A. T. Boddington, 342 W. 14th St., N. Y.

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Richards Bros., 37 East 19th St., New York.

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Henry F. Michell Co., Philadelphia, Pa.

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T. J. Grey & Co., 32 and 33 So. Market St., Boston.

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Ralph M. Ward & Co., 12 W. Broadway, New York.

Horseshoe Brand.

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James Vick's Sons, Rochester, N. Y.

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Loechner & Co., New York, N. Y.

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John Lewis Childs, Flowerfield, L. I.

Fall Bulbs.

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The W. W. Barnard Co., Chicago, Ill.

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Fottler, Fiske, Rawson Co., Boston, Mass.

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E. S. Miller, Wading River, N. Y.

Bulbs and Roots for Fall Planting.

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A. Henderson & Co., Chicago, Ill.

Narcissus Paper White Grandiflora.

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CANNAS.

R. Vincent, Jr. & Sons Co., White Marsh, Md.

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Cannas for Fall delivery, divided roots, King Humbert, \$3.00 per 100; Imp. Mont Blanc, \$5.00 per 100; Wm. Saunders, \$6.00 per 100. A. R. Campbell, Cochranville, Pa.

THE IMPROVED CANNA.

We have a finer stock of these Improved Wintzer Wonder Cannas than ever before in our history. The price for new kinds is likely to be higher in the Spring because the demand justifies it and the supply is short. For other first class kinds prices reduced. Get our list before ordering. The Conard & Jones Co., West Grove, Pa.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.

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Chicago Carnation Co., Joliet, Ill.

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S. S. Pennock-Meehan Co., Phila., Pa.

Field Grown Carnation Plants.

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Wood Bros., Fishkill, N. Y.

Field Grown Plants.

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Ridley Park Nurseries, Ridley Park, Pa.

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Carnations, fine plants, 150 Queen Louise, 100 Fair Maid at 5c, or the lot for \$10.00.

Wm. Doel, Pascoag, R. I.

Carnation Plants—Field-grown, Enchantress, white and pink Lawson, \$5.00 per 100. Cash. M. J. Schaaf, Dansville, N. Y.

300 Enchantress, \$5.00 per 100; 200 Winsor, \$4.00 per 100. Field grown, best of stock. Bid on the lot. O. L. Baird, Dixon, Ill.

FIELD GROWN CARNATIONS—White Enchantress, Fair Maid, Harry Fenn, Lawson, Winsor, Queen, Beacon. Thomas Capers, Wellesley Hills, Mass.

Carnations. Large strong healthy plants. Enchantress and Rose Enchantress, \$5.00 hundred. Boston Market, Mald, \$4.00. Arno Chase, Cumberland Centre, Maine.

Extra good carnation plants, field grown. 1500 Queen, 1200 Winsor, 500 Perfection, 200 Enchantress, 100 H. Fenn, 200 Beacon, \$6.00 per 100; \$5.00 per 1000. Cash. Chas. H. Green, Spencer, Mass.

CARNATIONS, FIELD GROWN.

Enchantress, \$5.00 per 100

White Perfection, \$5.00 per 100

Vern L. Schluff, Erie, Pa.

Nice field grown Carnation plants, 1500 Queen, 1500 Dark Reds and 1500 Victory. Cheap to clean up the lot. Adams and American Express. Adolph E. E. Koch, Nobscoot, Mass.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CHRISTMAS TREES AND BALED SPRUCE

H. J. Smith, Hinsdale, Mass.

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CHRYSANTEMUMS

Elmer D. Smith, Adrian, Mich.

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Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Chrysanthemum Plants—White Garza, 5 in., \$3.00 doz.; 6 in., \$4.00 doz. Large double yellow Pompoms, 5 in., \$3.00 doz.; 6 in., \$4.00 doz.; small 5 in., \$3.00 doz.; 6 in., \$4.00 doz.

THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

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CHRYSANTHEMUMS—Continued

Chrysanthemums, rooted cuttings, Monrovia, Polly Rose, \$12.00 per 100. Violets, Princess of Wales, \$8.00 per 100; \$50.00 per 1000. Chas. Lenker, Freeport, L. I., N. Y.

CINERARIAS

Cinerarias, best strain dwarf, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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COLEUS

Coleus, rooted cuttings, Pfister, red and yellow, Beckwith's Gem, Golden Bedder, Verschaffeltii, \$6.00 per 1000. Two in., Pfister, red and yellow Beckwith's Gem, Golden Bedder, Verschaffeltii, \$2.00 per 100.

THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

CROTONS

Crotons, 2½ in., \$1.00 per doz.; 3 in., \$1.50 per doz.; 4 in., 25c. each, \$3.00 per doz.; 7 in., 4 in a pot, 75c. and \$1.00 each.

THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

CYCLAMENS

Cyclamen—Best Varieties in different colors, 3 inch pots, strong plants, \$10.00 per 100, \$80.00 per 1000. Julius Roehrs Company, Rutherford, N. J.

DAHLIAS

Herbert, Acto, N. J.
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R. Vincent, Jr. & Sons Co., White Marsh, Md.

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Henry A. Dreer, Inc., Philadelphia, Pa.
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Double Daisies (Bellis), mixed, nice plants, \$1.25 per 500; \$2.00 per 1000. M. B. Saunders Co., 25 Burnett St., Providence, R. I.

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

Dahlias, divided roots, from 1 to 3 eyes to the piece. Send for list and get the latest varieties. W. P. LOTHROP, Brockton Dahlia Farm, E. Bridgewater, Mass.

DAHLIAS NEW FOR 1911.

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williamstown Junction, N. J. Post Office, Berlin, N. J.

DAHLIAS.

Have a surplus of the following standard kinds:

White, Camelliaflora, Henry Patrick.
Pink, A. D. Livoni, Sylvia.
Yellow, Catherine, Clifford Bruton, Yellow Jim.

Red, H. Lyndhurst, Wm. Agnew, Indian Chief, Souv. Gustave de Douzan, the best red for cutting.

Cash price for extra heavy field clumps good for five (5) and more good divisions, \$1.50 per dozen; \$3.00 per 50; \$5.00 per 100; \$45.00 per 1000. Cash please.

WM. A. FINGER.

Hicksville, Long Island, New York.

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John Scott, Brooklyn, N. Y.
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DRACAENAS.**DRACAENA INDIVISA.**

Strong plants ready for 5 in. pots, \$10.00 per 100

Vern L. Schluraff, Erie, Pa.

Dracaena fragrans, 2½ in., \$1.50 per doz.; 3 in., \$2.00 per doz.; 4 in., \$3.00 per doz.; 5 in., \$5.00 per doz. Dracaena Indivisa, 2 in., \$3.00 per 100, \$25.00 per 1000; 7 in., 2½ to 3 in. high, \$1.25 each, \$15.00 per 1000. Dracaena Massangeana, 6 in., \$1.25 each; terminalis, 3 in., \$1.75 per doz.

THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

EUONYMUS

Euonymus Variegata (golden and silver leaf), 2½ in., 50c. each; 5 in., 35c. each, \$1.20 per doz.; 6 in., 50c. each, \$6.00 per doz.

THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

EVERGREENS

New England Nurseries, Bedford, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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FERNS

A. Leuthy & Co., Roslindale, Mass.
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H. H. Barrows & Son, Whitman, Mass.
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John Scott, Brooklyn, N. Y.
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Frank Oechslin, 4911 Quincy Street,
Chicago.

Ferns for Dishes.

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Robert Craig Co., Philadelphia, Pa.
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F. R. Pierson Co., Tarrytown-on-Hudson,
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Joseph Heacock, Wyncote, Pa.
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Ridley Park Nurseries, Ridley Park, Pa.
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Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

Boston Ferns—6-inch pots, 45c. each, \$40.00 per 100. Whitman Ferns, 4-inch, 20c. each, \$15.00 per 100; 5-inch, 30c. each, \$25.00 per 100; 6-inch, 45c. each, \$40.00 per 100; 7-inch, 60c. each, \$55.00 per 100; 8-inch, 75c. each, \$70.00 per 100. Ficus Elastica, 35c., 50c. and 75c. each. Cash please. Queen City Floral Co., Manchester, N. H.

Bostons, 2 in.....\$3.00 per 100; \$25.00 1000

" 6 in.....\$6.00 doz.; \$45.00 per 100

" 7 in.....\$0.75 each; \$9.00 doz.

" 8 in.....\$1.00 each; \$12.00 doz.

" 9 in.....\$1.50 each; \$18.00 doz.

" 10 in.....\$2.50 each

" 12 in.....\$3.50 to \$5.00 each

" Fern Baskets, \$1, \$1.50 and \$2.50 each

THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

Ferns. Handsome stock. Boston, Whitman, Elegantiissima compacta, Springfieldii, Amerpohlii, Scholzii. Rooted runners, \$1.80 per 100; 3 in., 5c.; 4 in., 15c.; 5 in., 25c. Sample sent for 25c. Satisfaction guaranteed. Ferns are grown at Cleveland, Ohio, plant, 60,000 feet of modern glass devoted to ferns and asparagus. Special prices on large quantities for cash only. Schneider, Florist, Springfield, Ohio.

FERTILIZERS

20th Century Plant Food Co., Beverly, Mass.
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Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.

Wizard Brand Cattle Manure

The New Mineral Fertilizer Co.,
19 Exchange Place, Boston, Mass.

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Shell-Marl Land-Lime, doubles farm crops, best and cheapest lime carbonate for your soils, not caustic, no magnesia. Wood ashes substitute, better than Canada ashes, standard, no moisture. Fine-Ground Phosphate Rock, permanent soil builder. Force-Feed Lime-Fertilizer Sowers, cheapest and best. Paired shavings, best absorbent stable bedding. All sold at lowest possible prices. Send for catalogue. Vermont Marl Company, Brattleboro, Vermont.

Hardwood ashes, best fertilizer on earth for lawns and gardens. George Stevens, Peterborough, Ont., Canada.

FICUS

Ficus Elastica (rubbers), 6 in., 50c. each, \$6.00 per doz. Repens vines, 2½ in., 50c. each.

THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

FEVERFEW

Feverfew. Unrooted cuttings, 50c. per 100, or \$4.00 per 1000, by mail prepaid. Adolph E. E. Koch, Nobscoot, Mass.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
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FLORISTS' LETTERS

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.

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N. F. McCarthy & Co., 84 Hawley St., Boston.

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H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.

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M. Rice & Co., 1220 Race St., Phila., Pa.

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Reed & Keller, 122 W. 25th St., New York.

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H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

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S. S. Pennock-Meehan, Philadelphia, Pa.

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FLOWER POTS

W. H. Ernest, 28th and M Sts., Washington, D. C.

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A. H. Hews & Co., Cambridge, Mass.
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Hilfinger Bros., Ft. Edward, N. Y.
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Syracuse Pottery Co., Syracuse, N. Y.
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Peters & Reed Pottery Co., Zanesville, O.
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FORGET-ME-NOTS

Forget-me-nots, 1500 Royal Blue, 2½ in. pots, 2000 Victorias in flats, large plants, \$2.00 per 100. Cash. M. B. Saunders Co., 25 Burnett St., Providence, R. I.

Forget-me-nots, winter flowering, large clumps, to close out, \$1.00 per 100. Plants from seed bed, \$2.50 per 1000. Cash. M. B. Saunders Co., 25 Burnett St., Providence, R. I.

FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

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Kervan Co., New York.

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H. M. Robinson & Co., 15 Province St.
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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.

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Geraniums Nutt, Poitevine, Ricard, Perkins, Viald, Buchner, Rose, Ivy. Rooted cuttings, \$1.00 per 100; \$10.00 per 1000. Edward Wallis & Co., Berlin, N. J.

Geraniums, S. A. Nutt 2 in., Rose 2 in., \$2.00 per 100.

THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

GLADIOLUS

Frank Banning, Kinsman, O.
New Gladiolus Niagara.

Silver Trophy and Florist Mixture Gladiolus bulbs, 10,000, large also small sizes, for sale in October. S. E. Spencer, 58 Congreve St., Roslindale, Mass.

GLASS

Boston Plate & Window Glass Co., Boston.

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Standard Plate Glass Co., 26-30 Sudbury St., Boston.

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Foley Mfg. Co., Western Ave., between 25th and 26th Sts., Chicago.

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Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.

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Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.

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In writing to Advertisers kindly mention Horticulture

GLASS—Continued

Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.
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Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
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GOLD FISH

Gold fish, aquarium plants, snails, castles, globes, aquarium, fish foods, nets, etc., wholesale. Franklin Barrett, breeder, 4815 D. St., Philadelphia, Pa. Large breeding pairs for sale. Send for price lists.

GREENHOUSE BUILDING MATERIAL

A. T. Stearns Lumber Co., Neponset, Boston.
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King Construction Co., N. Tonawanda, N. Y.
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J. C. Moninger Co., 117 East Blackhawk St., Chicago, Ill.
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Pecky Cypress for Benches.
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Lord & Burnham Co., 1133 Broadway, New York.

S. Jacobs & Sons, 1359-63 Flushing Ave., Brooklyn, N. Y.

GREENHOUSE CONSTRUCTION

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Lord & Burnham, 1133 Broadway, New York.

Hitchings & Co., 1170 Broadway, N. Y.
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Pierson U-Bar Co., Madison Ave., New York
Designer and Builder.

GUTTERS

King Construction Co., N. Tonawanda, N. Y.
King Channel Gutters.
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HAIL INSURANCE

Florists' Hall Assn. of America, J. G. Esler, Saddle River, N. J.
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HARDY FERNS AND SUPPLIES

H. M. Robinson & Co., Boston, Mass.
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Michigan Cut Flower Exchange, 28 and 40 Broadway, Detroit, Mich.
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The Kervan Co., New York
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J. Jansky, Boston, Mass.
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H. J. Smith, Hinsdale, Mass.
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HEATING APPARATUS

Kroeschell Bros. Co., 466 Erie St., Chicago.
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Lord & Burnham Co., 1133 Broadway, New York.

HELIOTROPE

Heliotrope, 2 in., \$2.00 per 100.
THE GEO. WITTROLD CO., Chicago, Ill.

HERBACEOUS PLANTS

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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New England Nurseries, Bedford, Mass.
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Boblink & Atkins, Rutherford, N. J.
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HEMEROCALLIS LILY

Fulva, \$2.50 per 100. C. S. Harrison's Select Nursery Co., York, Neb.

HONEY-SUCKLE

A. L. Miller, Brooklyn, N. Y.
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HOSE

H. A. Dreer, Philadelphia, Pa.

HOT-BED SASH

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Lord & Burnham Co., 1133 Broadway, N. Y.

HYDRANGEAS

F. R. Pierson Co., Tarrytown-on-Hudson, New York.
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INSECTICIDES

Eastern Chemical Co., Boston, Mass.
Imp. Soap Spray.
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Nicotline kills all greenhouse pests.
P. R. Palethorpe Co., Owensboro, Ky.
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Stumpp & Walter Co., New York.
Kiln-dried Tobacco Dust.
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Aphine Manufacturing Co., Madison, N. J.
Aphine.
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E. H. Hunt, Chicago, Ill.
To-Bak-line Products.
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Wilson Plant Oil and Fertilizer Co., New York, N. Y.
Wilson Plant Oil.
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Acme Nicotine Insecticides sold direct to the grower. Acme 45 per cent. Liquid, pint \$1.75; gallon \$12.50. Acme Fumigating Paper, case of 288 sheets \$5.50. Sample can of 24 sheets 60 cents, postpaid. J. P. Beermaker, 9 Washington Ave., St. Louis, Mo.

IRISES.

Henry A. Dreer, Inc., Phila., Pa.
Imperial Japanese Iris.
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Khedive, \$6.00; Celestie, Chalcedonia, Elizabeth and Anrea \$5.00; Flavescens, Madam Chereau, Margolin, Marmora, Nymph, Pallida Speciosa, and Queen of May, \$4.00; Florentina White, and Purple Queen, \$3.00; Delicata, and Sans Souci, \$2.50; Pumila, and Siberian Blue, \$2.00 per 100. C. S. Harrison's Select Nursery Co., York, Neb.

Iris Germanica in clumps, not divisions, at \$2.00 per 100 if taken at once; to clear space. F. F. Scheel, Shermerville, Ill.

IVIES

Ivy, German, 2 in., \$2.00 per 100.
THE GEO. WITTROLD CO., Chicago, Ill.

Ivy, English, 3 in., 75c. per doz.; 4 in., \$1.50 per doz.
THE GEO. WITTROLD CO., Chicago, Ill.

JAPANESE LILIES

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A. Leuthy & Co., Roslindale, Mass.
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LANDSCAPE GARDENING COURSE.

Home Correspondence School, Springfield, Mass., Dept. 8.
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LILAC

Rouen, 3 to 4 feet, six to fifteen branches, an ideal hedge as it stands, \$10.00 per 100. C. S. Harrison's Select Nursery Co., York, Neb.

LILIUM HARRISHII

F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
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LILIUM MULTIFLORUM AND GIGANTEUM

R. M. Ward & Co., New York, N. Y.
Horse Shoe Brand.
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Boblink & Atkins, Rutherford, N. J.
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Bay State Nurseries, North Abington, Mass.

Hardy, Northern Grown Stock.
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McHutchison & Co., New York, N. Y.
Direct Importations.
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Loechner & Co., New York, N. Y.
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F. E. Conine Nursery Co., Stratford, Conn.
Large Evergreens, Deciduous Trees, Large Shrubs, Etc.
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TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00 by Horticulture Publishing Co., 11 Hamilton Place, Boston.

ONION SEED.

Schilder Bros., Chillicothe, O.
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ONION SETS

Leonard Seed Co., Chicago, Ill.
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For Sale. Winter Onion Top Sets, select stock. A. S. Pett, Crawfordsville, Ind.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
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Ordenez Bros., Madison, N. J., Box 108.
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Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
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Orchids—largest stock in the country. Stove plants and Crotons, finest collection. Julius Roehrs Co., Rutherford, N. J.

Orchid Growers' Manual. By B. S. Williams, 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

Edward V. Low, late of Hugh Low & Co., dissolved, Vale Bridge, Haywards Heath, England. "White" Cattleyas and Choice Cypripediums are leading features.

PALMS, ETC.

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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John Scott, Brooklyn, N. Y.
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Joseph Hancock, Wyncote, Pa.
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Loechner & Co., New York, N. Y.
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PALMS, ETC.—Continued

Cocos Weddelliana, 2 in., \$1.75 doz.; \$14.00 per 100. 3 in., \$2.50 doz.; \$20.00 per 100.

Cycas Revoluta (Sago Palm), 6 in., 75c. to \$1.00 each.

Kentia, Belmoreana, 2½ in., 8 in. high, 4 leaves, \$1.50 doz.; \$12.00 per 100. 3 in., 8-10 in. high, 4-5 leaves, \$2.00 doz.; \$15.00 per 100. 4 in., 12-15 in. high, 4-5 leaves, \$3.60 doz.; \$30.00 per 100. 5 in., 18-20 in. high, 5-6 leaves, 75c. each; \$9.00 doz. 6 in., 20-22 in. high, 5-6 leaves, \$1.00 each; \$12.00 per doz. 6 in., 26-28 in. high, 6-7 leaves, \$1.50 each; \$18.00 per doz. 7 in., 28-30 in. high, 6-7 leaves, \$2.50 each; \$20.00 per doz. 7 in., 40-44 in. high, 6-7 leaves, \$1.50 each. 8 in., 44-45 in. high, 7-8 leaves, \$5.50 each. 9 in., 48-50 in. high, 7-8 leaves, \$8.00 each. 9 in., 50-54 in. high, 7-8 leaves, \$10.00 each.

Kentia Fosteriana, 2½ in., \$1.50 doz. 3 in., \$2.00 doz. 4 in., \$3.60 doz. 5 in., \$5.00 doz. 5 in., 20-24 in. high, 4-6 leaves, 75c. each; \$9.00 doz. 6 in., 30-35 in. high, 4-6 leaves, \$1.00 each; \$12.00 doz. 7 in., 36-38 in. high, 5-6 leaves, \$2.50 each. 8 in., 40-42 in. high, 5-6 leaves, \$4.50 each. 9 in., 46-50 in. high, 6-7 leaves, \$7.00 each.

Kentia, made up plants, 7 in., 24-30 in. high, 3-4 in a pot, \$2.50 each. 9 in., 50-54 in. high, 3-5 in a pot, \$8.00 each. 10 in., 58-60 in. high, 4-5 in a pot, \$10.00 each. 12 in., 62-70 in. high, 4-5 in a pot, \$15.00 each.

Latania Borbonica, 4 in. pot, \$1.00 doz.; \$20.00 per 100. 2 in., 1-2 leaves, \$3.00 per 100, \$25.00 per 1000. 5 in., \$5.00 per doz., \$40.00 per 1000.

Pandanus Fittis, 3 in. pots, \$2.00 doz. Veltchii, 4 in. pots, 50c. each; \$5.50 doz. 5 in. pot, 75c. each; \$9.00 doz. 6 in. pot, \$1.00 each; \$12.00 doz.

Phoenix Canariensis, 7 in. pot, 36-40 in. high, \$2.50 each. 10 in. pot, 50-54 in. high, \$8.00 each. 10 in. pot, 60-64 in. high, \$10.00 each.

Phoenix Reclinata, 4 in. 25c. each, \$2.00 doz., \$20.00 per 100. 5 in. pot, 50c. each; \$5.00 doz. 6 in. pot, 75c. each; \$9.00 doz.

Phoenix R. echeubii, 2½ in. pot, \$2.00 doz.; \$15.00 per 100. 3 in. pot, \$3.00 doz.; \$22.50 per 100. 5 in. pot, \$9.00 doz.; \$70.00 per 100. 6 in. p. t., \$2.00 each. 7 in. pot, \$2.50 each.

Areca Lutescens, 3 in. pot, 3 plants in a pot, \$2.00 doz.; \$15.00 per 100. 7 in. pot, 4-5 plants in a pot, 36 in. high, \$3.00 each. 8 in. p. t., 5-6 plants in a pot, 60-64 in. high, \$5.00 each.

THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

PANSIES

Giant pansy plants of our Nine Superior strain, the world's best, 50c. per 100; \$3.00 per 1000. Cash. M. B. Saunders Co., 25 Burnett, Providence, R. I.

We offer seedlings of Giant Pansies, mixed, Calliopis grandiflora and Sweet Williams at 75c., 100; \$2.75, 1000. Strong June sown double Hollyhocks, separate colors, 75c., 100; \$5.00, 1000. Asparagus Sprengeri seedlings, strong, \$1.00, 100; \$8.00, 1000. Russell Bros., Syracuse, N. Y., Route 4.

PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
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PEACH PITS

Warren Shinn, Woodbury, N. J.

PECKY CYPRESS BENCHES

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PEONIES

Henry A. Dreer, Inc., Philadelphia, Pa.
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Send for surplus list. C. S. Harrison's Select Nursery Co., York, Neb.

PEONIES—1200 sorts, an enormous stock List ready. C. Retscher, Canal Dover, O.

Peony Chinese—divisions, 2 to 3 eyes. Humel late pink and Hortense, Tylan red \$3.00 per 100; Festiva alba, early white, Duchess de Orleans, early pink, Comte de Jussier very early white and sulphur, \$5.00 per 100. Cash with order. Thomas J. Oberlin, Sinking Spring, Pa.

PEONIES—Continued

"Fragrans," late dark pink, large divisions, \$6.00 per 100, \$50.00 per 1000. Chas. Lenker, Freeport, L. I., N. Y.

Peonies, 50,000 in fine named varieties, Festiva Maxima, \$10.00 per 100; \$90.00 per 1000. Queen Victoria, \$7.00 per 100; \$60.00 per 1000. Other varieties, including Baroness Schroeder, Couronne d'Or, Duc de Wellington, Felix Crousse, Floral Treasure, Golden Harvest, Jenny Lind, Livingstone, Marie Lemoine, Mme. Calot, Mons. Dupont, Model of Perfection, Mont Blanc, Princess Beatrice and 50 other choice varieties. List free. Peonies in mixture, unnamed sorts, fine for bedding. Mixed pink, all shades, \$6.00 per 100, \$50.00 per 1000. Mixed white, all shades, \$8.00 per 100, \$70.00 per 1000. Mixed red and crimson, all shades, \$7.00 per 100, \$60.00 per 1000. A fine mixture, all colors, \$3.00 per 100, \$25.00 per 1000. E. Y. Teas & Son, Centerville, Ind.

PETUNIAS

Petunias (Dreer's), mixed, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

PHLOX

Henry A. Dreer, Inc., Philadelphia, Pa.
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Pyramid, Zouave and Zantippe, \$5.00 per 100. C. S. Harrison's Select Nursery Co., York, Neb.

PHOTOGRAPHS

I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan R. Graves, 414 Hayward Bldg., Rochester, N. Y.

PLANT STAKES

Seele's Treeless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."
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Metropolitan Material Co., Brooklyn, N. Y.
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POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

PRIMULAS

Primulas Chinese, fine plants, 2½ in \$2.00 per 100; 300 for \$5.00. J. C. Schmidt Bristol, Pa.

Primula Obconica, 3 in., \$6.00 per 100.
THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

PRIMULA MALACOIDES

Arthur T. Boddington, New York, N. Y.
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PRIVET

Ridley Park Nurseries, Ridley Park, Pa.
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California Privet, any quantity, size, age. Others say ours is the best grown. Write for prices; also on shrubbery, ornamentals, fruit trees, asparagus, etc. Franklin Davis Nursery Co., Baltimore, Md.

RHODODENDRONS

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Own Root Roses.
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Eastern Nurseries, Jamaica Plain, Mass.
New Roses Originated by Jackson Dawson.
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S. S. Pennock-Meehan Co., Phila., Pa.
New Roses for 1912.
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SANSEVIERIAS

Sansevierias, 4 in., 20c. each, \$2.25 doz.
THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

SEED GROWERS

Brasilian Seed Growers Co., San Jose, Cal.
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SEEDS

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51 and 52 N. Market St., Boston, Mass.
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K. & J. Farquhar & Co., Boston, Mass.
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Peas, Beans, Radish and all Garden Seeds.
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All Leading Varieties of Seeds.
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Giant English Cyclamen and Mignonette.
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J. Bolzano & Son, Baltimore, Md.
Dwarf Essex Rape Seed.
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Moore Seed Co., Philadelphia, Pa.
New Crop Giant Cyclamen Seed.

Hjalmar Hartmann & Co., Copenhagen Denmark.
Cauliflower and Cabbage Seed.
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SHEET MOSS

The very best quality obtainable. For early orders we will offer inducing prices. Jones, The Holly Wreath Man, Milton Delaware.

SOLANUM

Solanum Aculeatissimum, 6 in. strong plants, 50c. each, \$5.00 doz. Capsicum chacoense Cherry, 5 in., \$2.00 doz.; \$15.00 per 100. 6 in., \$3.00 doz.

THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

SPHAGNUM MOSS

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Joseph B. Townsend, Berlin, N. J.
Moss, Peat, etc.
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In writing to Advertisers kindly mention Horticulture

FOR "POT LUCK" TRY US..

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS
WORLD'S LARGEST MANUFACTURERS
WRITE FOR CATALOGUE AND DISCOUNTS
A. H. HEWS & CO., Inc.
**Main Office and Factories
CAMBRIDGE, MASS.**
**Pearson Street,
LONG ISLAND CITY, N. Y.**
SPHAGNUM MOSS—Continued

H. J. Smith, Hinsdale, Mass.

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Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

Ten bales sphagnum moss, \$7.00. Z. K. Jewett Co., Sparta, Wis.

SPRAYERS

Chas. J. Jager Co., Boston, Mass.

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STEVIAS

Sterias, 2 in., cut back once, \$3.00 per 100, cash. M. B. Saunders Co., 25 Burnett St., Providence, R. I.

SWEET PEAS.

Arthur T. Boddington, New York, N. Y.
Christmas and Winter Flowering.

SWEET WILLIAMS

Sweet Williams: Holborn Glory; Dunnett's crimson, violet, white and other fine colors, mixed. August sown seedlings, good stock, 25c per 100; \$2.00 per 1000. Cash. Mailing, 10c per 100. C. J. Asimus, Ansonia, Conn.

TRADESCANTIA

Tradescantia variegata (Wandering Jew), 2 in., 40c. doz., \$3.00 per 100. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

TREE RENOVATION

John T. Withers, Inc., Jersey City, N. J.
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VALLEY PIPS

Hjalmar Hartmann & Co., Copenhagen, Denmark.

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Lochner & Co., New York, N. Y.
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VEGETABLE PLANTS

Fox Hall Farm, Norfolk, Va.
Tomato, Cabbage and Lettuce Plants.
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FOR SALE Pepper Plants in Pots. E. M. Ingalls, P. O. Box 135, West Lynn, Mass.—Preston Street, Pine Hill.

VENTILATING APPARATUS

Foley Mfg. Co., Chicago.
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The Advance Co., Richmond, Ind.
Improved Ventilator Arm.
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VINCAS

VINCA VARIEGATA.
Strong field grown, \$4.00 per 100.
Vern L. Schluraff, Erie, Pa.

Vincas, 4 in., \$2.00 per doz., \$15.00 per 100.

THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

VIOLETS

GOV. HERRICK VIOLETS.
Strong 4 in., \$5.00 per 100.
Will exchange for Princess of Wales.
Vern L. Schluraff, Erie, Pa.

Violets, 10,000 field clumps. Lady Campbell, \$4.50 per 100; Princess of Wales, \$5.00 per 100. Ready now. Cash, please. A. B. Campbell, Cochranville, Pa.

WIREWORK

Reed & Keller, 122 W. 25th St., N. Y.
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J. Jansky, Boston, Mass.

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Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.

William E. Hellacher's Wire Works, 38-40 Broadway, Detroit, Mich.

WOOD PRESERVATIVE

Conserve Wood Preservative doubles the life of all exposed lumber. Preserves benches, posts, sills or planking. Costs 2c a stick, and saves ten times its cost. Samuel Cabot, Inc., Mfg. Chemists, Boston, Mass.

DREER'S "Riverton Special" Plant Tub


No.	Diam.	Each	Doz.	100
10	20 in.	\$1.45	\$16.00	\$130.00
20	18 in.	1.30	14.00	115.00
30	16 in.	1.00	11.25	92.00
40	14 in.	.85	7.00	56.00
50	12 in.	.45	5.00	40.00
60	10 in.	.38	4.00	32.00
70	8 in.	.30	3.50	28.00

Manufactured for us exclusively. The best tub ever introduced. The neatest, lightest and cheapest. Painted green, with electric welded hoops. The four largest sizes have drop handles.

HENRY A. DREER, Seeds, Plants, Bulbs and Supplies,

714 Chestnut Street, Philadelphia, Pa.

WIRED TOOTH PICKS

W. J. Cowee, Berlin, N. Y.

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WHOLESALE FLORISTS

Boston

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N. F. McCarthy & Co., 84 Hawley St.

Welch Bros., 228 Devonshire St.

H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl.

Buffalo, N. Y.

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William F. Kasting Co., 383-87 Ellcott St.

Chicago

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Peter Reinberg, 51 Wabash Ave.

Poehlmann Bros. Co., Morton Grove, Ill.

J. A. Budlong, 37-39 Randolph St.

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Cincinnati, Ohio

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The J. M. McCullough's Sons Co., 316 Walnut St.

Cromwell, Conn.

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A. N. Pierson, Cromwell, Conn.

Detroit

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Michigan Cut Flower Exchange, 38 and 40 Broadway.

New York

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M. C. Ford, 121 W. 28th St., New York

H. E. Froment, 57 W. 28th St., New York

E. C. Horan, 55 W. 28th St., New York

A. H. Langjahr, 130 W. 28th St., New York

James McManus, 55 W. 28th St., New York

W. F. Sheridan, 133 W. 28th St., New York

Wm. H. Kuebler, 28 Willoughby St., Brooklyn, N. Y.

Moore, Hentz & Nash, 55 and 57 W. 26th St., New York.

Greater New York Florists' Association, 162 Livingston St., Brooklyn, N. Y.

A. L. Young & Co., 54 W. 28th St., N. Y.

Charles Millang, 55 and 57 West 28th St.

P. J. Smith, 49 West 28th St., N. Y.

Frank Millang, New York, N. Y.

Traendly & Schenck, New York, N. Y.

Badgley, Riedel & Meyer, Inc., New York

A. Moltz & Co., New York, N. Y.

Siebrecht & Siebrecht, 136 West 28th St., New York.

Philadelphia

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The S. S. Pennock-Meehan Co., 1606-12 Ludlow St., Philadelphia, Pa.

Rochester, N. Y.

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George B. Hart, 24 Stone St.

1000 READY PACKED CRATES
STANDARD FLOWER POTS AND BULB PANS

can be shipped at an hour's notice. Price per crate:

2000 1 1/4 in. @	\$6.00	500 4 in. @	\$4.50
1500 2 " "	4.88	450 4 1/2 " "	5.24
1500 2 1/2 " "	5.25	320 5 " "	4.51
1500 2 3/4 " "	6.00	210 5 1/2 " "	3.78
1000 3 " "	5.00	144 6 " "	3.16
800 3 1/2 " "	5.80	120 7 " "	4.20
		60 8 " "	3.00

HILLFINGER BROS., Pottery, Fort Edward, N. Y.
August Rolker & Sons, 31 Barclay St., N. Y. City Agents.

OUR SPECIALTY—Long distance and export trade.

Syracuse Red Pots

"A little pot is soon hot," likewise a thin pot. This will save you fuel. Our pots are the thinnest and toughest owing to the superior quality of the clay. New price list on application.

Syracuse Pottery Co., SYRACUSE, N. Y.
STANDARD FLOWER

POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts.,

Washington, D. C.


ALL THE CLAY

FOR OUR

Florist's Red Pots

is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots, order from us.

THE PETERS & REED POTTERY CO.
Zanesville, Ohio

MASTICA

FOR Greenhouse Glazing

USE IT NOW.

F. O. PIERCE CO.
12 W. BROADWAY
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

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RUBBER STAMPS, STENCILS, PRINTING, POULTRY AND FRUIT REVIEW.
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GREENHOUSES BUILDING OR CONTEMPLATED.

Marinette, Wis.—George Vatter, one house.

Stratham, N. H.—W. H. Lang, one house.

Temple, Texas.—J. R. Boyd, one house.

Pittsburg, Pa.—Morris Kaufmann, addition.

Hilliard, Fla.—George M. Zingsheim, range of houses.

St. Cloud, Minn.—St. Cloud Floral Co., house 18x97.

Milford, Conn.—James T. Patterson, range of houses.

Chestnut Hill, Pa.—Myers & Samtman, house, 55x300.

Portland, Ore.—Martin & Forbes, four houses, each 32x200.

Owatonna, Minn.—Clinton Falls Nursery Co., three houses.

Salt Lake City, Utah.—Brigham Young University, one house.

Philadelphia, Pa.—Godfrey Aschmann, two houses, each 20x75.

Olympia, Wash.—C. H. Goodpasture, house, 18x105, one 18x67 and one 10x30.

Racine, Wis.—Asylum avenue greenhouses, three carnation houses, each 20x80. M. B. Lassen, 952 Washington avenue, one house. J. Bensted, 1113 Center street, two houses.

CATALOGUES RECEIVED.

Conard & Jones Co., West Grove, Pa.—New Floral Guide, Autumn, 1911. Neat cover with peony on front and narcissus on back.

M. Rice & Co., 1220 Race St. Phila., Pa.—Card of Rice Standard Cycas. In

Make the Farm Pay



Prof. Brooks

Complete Home Study Courses in Agriculture, Horticulture, Floriculture, Landscape Gardening, Forestry, Poultry Culture and Veterinary Science under Prof. Brooks of the Mass. Agricultural College, Prof. Craig of Cornell University and other eminent teachers. Over one hundred Home Study Courses under able professors in leading colleges.

250 page catalog free. Write to-day
THE HOME CORRESPONDENCE SCHOOL
Dept. H. A. Springfield, Mass.

Spray Your Trees and Do Your Whitewashing



With Deming Spray Pumps. You can have a good crop of pears, plums, cherries, apples, etc., if you keep your trees in good condition—free from insects.

DEMING SPRAYERS

Are inexpensive and are suitable for whitewashing poultry houses, cellars, etc., as well as spraying flowers, trees and shrubbery.

Get complete Catalogue and Spraying formulas from
CHARLES L. JAGER COMPANY
8218 FRANKLIN STREET, BOSTON, MASS. AND
33 CANAL ST., PROVIDENCE, R. I.
A Complete Line is Stock at the Office.

Holds Glass Firmly
See the Point
PEERLESS
Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
HENRY A. DREER
714 Chestnut St., Phila., Pa.

SITUATIONS WANTED

SITUATION WANTED—Carnation man, violet, mum grower, also bedding plants. J. P. Hersey, Roslindale, Mass.

GARDENER AND FLORIST on private place, experienced indoors and out, single, middle-aged, Scotch. Massachusetts preferred. Best references. X T, care HORTICULTURE.

SITUATION WANTED: Experienced florist and landscape gardener wishes position as a foreman or second man on gentleman's private estate. Swede, age 32, single, but expecting to marry soon. 16 years' experience in greenhouses, and landscaping; also floral designing. Able to get satisfactory results out of help. Address "E. F.," care of HORTICULTURE.

FOR SALE

FOR SALE—Florists palm wagon for 1 or 2 horses. In good condition Vern L. Schluraff, Erie, Pa.

FOR SALE—Fresh from factory, new 10 x 12, 16 x 18, 16 x 24, double thick, A and B qualities. Market dropped. Now is the time to buy and save money. Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.

FOR SALE—Two water tube boilers, 100 H. P. each, Heine type; three tubular boilers, 66 inches by 18 feet; perfect condition and cheap. Armstrong Mfg. Co., Springfield, O.

two colors and worth dollars to any florist who reads it.

W. Atlee Burpee & Co., Philadelphia, Pa.—Special Wholesale Advance Offer of Sweet Peas. A comprehensive list. Also illustrated list of Choice New Sweet Peas for 1912.

Thomas J. Grey Co., Boston, Mass.—General Catalogue Autumn, 1911. This is a veritable gem in catalogue making, a credit to this old reliable house and belongs in every garden office.

THE NEW MINERAL FERTILIZER

Will produce

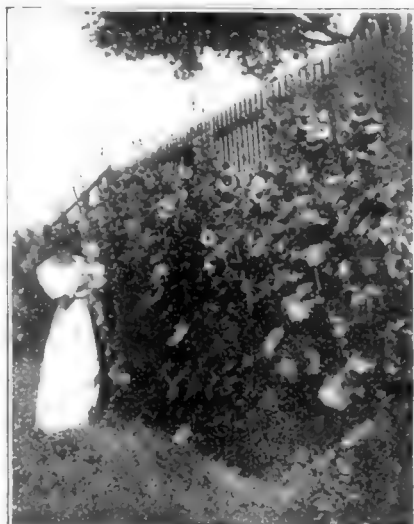
MORE

and

**LARGER
FLOWERS**

and of better
color than any
plant food ever
put on the mar-
ket.

Contains all of the
original elements
of virgin soil



The above cut shows hollyhocks, nine feet six inches high, with more blossoms and of better color than ever produced by any other fertilizer.

Write for catalogue and testimonials.

THE NEW MINERAL FERTILIZER CO.

19 EXCHANGE PLACE,
BOSTON, MASS.

Will

DESTROY

all

INSECT

LIFE

that preys on
plants under
glass.

It is a plant food
and not a stimulant

Aphine
*The Insecticide that
kills plant Lice
of every species*

Just the remedy for the black aphids on
chrysanthemums—red spider and thrips on
carnations—green fly on roses—mealy bug
on gardenias and crotons—scale on ferns,
palms and other decorative stock.

\$2.50 per gallon, \$1.00 per quart.

FUNGINE

Fungine has no equal for carnation rust,
rust on chrysanthemums and mildew on
roses.

\$2.00 per gallon, 75c. per quart.

There is but one convincing way for you to
become familiar with the merits of Aphine
and Fungine, and that is—test them out
yourself—it will prove worth your while.

MANUFACTURED BY

APHINE MANUFACTURING COMPANY
MADISON, N. J.

Tobacco Paper

IS THE

**STRONGEST,
BEST PACKED,
EASIEST APPLIED.**

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

"NICO-FUME"

LIQUID

OVER 40% NICOTINE

By far the
CHEAPEST.

**Furnishes the
Most Nicotine for the Money**

... Manufactured by ...

THE KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

JUST NOTE PRICE!

Pint.....	\$ 1.50
1/2 Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

Use any form you choose but buy it of

E. H. HUNT, 131 N. Wabash Avenue, Chicago

NIKOTEEN The most effective and economical material there is for spraying plants and blooms.
NIKOTEEN Skillfully extracted from leaf tobacco, and carefully refined, it is clean and easy to apply.
NIKOTEEN Does the work when vaporized either in pans, on pipes, or over a flame.
Full Pint Bottles, \$1.50.

NIKOTEEN APHIS PUNK

Specially prepared for fumigating closed houses. It vaporizes the Nicotine evenly and without waste. Nothing keeps a house free from Aphis so cheaply.

Price \$6.50 per case of 12 paraphrased boxes. All Seedmen.

Imp Soap Spray

Clean and odorless. Forms invisible films.
Non-corrosive. Usual effective strength, one to thirty-two.

Single gallons, \$1.50
In barrels, \$1.00

Eastern Chemical Company
Pittsburg Street
BOSTON

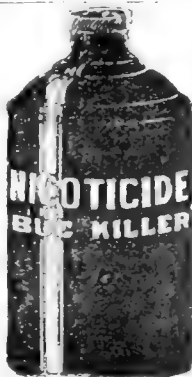
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The best of all
the tobacco
dusts for



Dusting or
Fumigating

25 lbs. \$1.00 50 lbs. \$2.00 100 lbs. \$3.00 200 lbs. \$5.00 500 lbs. \$12.00 1000 lbs. \$22.50
Stump & Walter Co. 50 Barclay St. New York, N. Y.



The Best
Bug Killer and
Bloom Saver

For PROOF
Write to

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OWENSBORO, KY.

Wilson Plant Oil & Fertilizer Company

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Horticultural Supplies

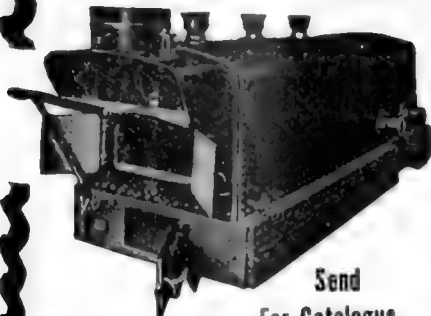
Write for our special Catalogue

Cocoanut Fiber Soil

Is being sought after by all growers.
Cover your lawns this fall and next
summer you can have a green one.

20th CENTURY PLANT FOOD CO.,
27 Ocean St. -Beverly, Mass.

What the Users say



Send
For Catalogue

KROESCHELL BOILER

Half the Coal and Half the Work.

"Your No. 13 boiler is carrying 25,000 sq. ft. of glass and I can keep it at 60 degrees in the coldest weather without any trouble. I have three other types of boilers also heating a range of 25,000 sq. ft. of glass, but the No. 13 Kroeschell Boiler **ONLY TAKES HALF THE COAL** and half the work to get the same results."

J. G. FRISZ, Vincennes, Ind.
P. S.—Mr. J. G. Frisz, of Vincennes, Ind., has the largest range of glass in Indiana devoted to vegetable forcing.

KROESCHELL BROS. CO., 466 W. Erie St., Chicago, Ill.

LOUISIANA RED CYPRESS GREENHOUSE MATERIAL

STEEL GUTTERS, TRUSSES,
PURLINS, PIPE, FITTINGS, GLASS,
Etc.
PRIVATE AND CONSERVATORY
WORK A SPECIALTY.

The Foley Manufacturing Co.
Western Ave. and 26th St., CHICAGO

KING

THE NAME STANDS FOR ALL THAT IS BEST IN

GREENHOUSE CONSTRUCTION

SEND FOR BULLETINS AND QUESTION BLANKS

KING CONSTRUCTION CO.

Home Office and Factory
N. TONAWANDA
N. Y.

Eastern Sales Office
No. 1 MADISON AVE.
NEW YORK

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"Cheap as Dirt"

Have you had any prices on greenhouse glass, lately?

Write us at once for our quotations. We'll surprise you.

Take advantage of the drop and book orders for future deliveries.

Our glass all new and fresh from factory.

Hot-bed sash and greenhouse material, dropped too.

PARSHELSKY BROS., CO.
69 Montrose Ave., BROOKLYN, N. Y.

STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St.

BOSTON, MASS.

61-63 Portland St.

CYPRESS SASH BARS

32 feet or longer
HOT BED SASH

PECKY CYPRESS BENCH LUMBER

GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

The A. T. STEARNS LUMBER CO.
NEPONSET, BOSTON, MASS.

GREENHOUSE CONSTRUCTION LUMBER

John C. Moninger Co.

117 E. Blackhawk St., CHICAGO.

**The FLORISTS' HALL ASSOCIATION
OF AMERICA**, insurer of 32,500,000
sq. ft. of glass. For particulars address
John C. Esler, Sec'y Saddle River, N. J.

SHARP, PARTRIDGE & CO.

Are Leaders in

GREENHOUSE GLASS

OUR PRICES WILL PROVE THIS.

CHICAGO, ILL.



To know a Good Thing is
Half Wise to know and
Use it to Advantage, True
Wisdom.

MORAL:

Use Advance Apparatus

We invite you to visit our
factory at these
and a complete list of
details will be sent
on request.

Our catalog describes
them fully—write for one

THE ADVANCE CO., Richmond,
Ind.

BOSTON PLATE & WINDOW GLASS CO.

Greenhouse Glass

GERMAN AND AMERICAN

261 to 287 A ST. BOSTON 20 to 22 Canal St.

LET US QUOTE YOU ON NEW
AND SECOND-HAND

Boilers, Pipe, Fittings, Glass, Greenhouse
Lumber, Tools, Sash, Etc.

METROPOLITAN MATERIAL CO.
1392-1414 Metropolitan Ave. Brooklyn N. Y.

In ordering goods please add "I saw
it in HORTICULTURE."



The Answer To Your Questions

THE palm house is 20×22 and the wing house at the rear out of sight is 20×25.

It's iron frame construction, just as you thought. Yes it is mighty attractive.

Now that we have answered your questions, let us ask just one; are you thinking of building?

That's good. We are glad to hear it.

That means you will want our new catalog right away and as soon as you can get things lined up you will want to see some one of us and talk things over.

Better have us come right to your grounds and look over the location. That's by far the most satisfactory way.

Hitchings & Co.

Spring and Louisa Streets, Elizabeth, N. J.

LILIUM HARRISII

(The Bermuda Easter Lily)

LET US supply your wants in Lilies this season

We think we can make it to your advantage to do so, as regards both quality and price.

The stock that we offer is not gathered indiscriminately from all kinds of sources, but is grown for us by a few selected growers, whose stocks have been worked up from the true, original stock. In order to ensure the health of the product, the bulbs are not grown on the same field oftener than one season, other crops being grown on the field the preceding year. The ground is thoroughly manured when the previous crop is grown, leaving it in a high state of cultivation, and when the lily bulbs are planted no fresh manure is used, and this prevents disease and ensures a crop of strong, healthy bulbs.

In addition to this, we do not dig our bulbs as early as they are usually dug, but leave them in the ground until they are thoroughly ripened and matured. When Harrisii is good, it leaves little to be desired. There is very little, if any, stock obtainable as good as the stock that we are offering. We are supplying only this one grade of selected stock, and when this is disposed of, we shall have no more to offer.

While the quality of the stock that we offer is of the highest, our prices are as low as, or lower than, the prices of those who offer the ordinary stock gathered from indiscriminate sources. We are sure buyers will find our stock very satisfactory, and much more so than the Japan-grown Longiflorum, which has badly deteriorated in recent years.

Bear in mind that we were the original introducers of Harrisii in Bermuda, and that we have exceptional facilities for obtaining our present supplies. Also take note that the smallest bulbs that we offer are 6-7 inch bulbs, not 5-7 inch, as usually offered.

6-7 inch bulbs, 335 to the case, \$15.00 per case; full thousand lots, \$40.00 per 1,000.

7-9 inch bulbs, 200 to the case, \$16.00 per case; full thousand lots, \$75.00 per 1,000.

9-11 inch bulbs, 100 to the case, \$18.00 per case; full thousand lots, \$175.00 per 1,000.

FERNS

We have an exceptionally nice lot of ferns in the following varieties,—good, bushy, well-grown plants that will please the most critical buyers. Plants have been grown in pots, and are thoroughly well established and nicely finished.

Nephrolepis Bostoniensis and Piersoni, 6-in. pots.....\$0.50 each

Nephrolepis Elegantissima, Piersoni, Bostoniensis, and Harrisii, heavy 8-in. plants.....\$1.00 to 1.50 each

Nephrolepis Elegantissima, Bostoniensis, and Harrisii, heavy 10-in. plants 2.50 each

F. R. PIERSON COMPANY, Tarrytown-on-Hudson, NEW YORK

HORTICULTURE

Vol. XIV. OCTOBER 14, 1911 No. 16



EREMURUS



DEVOTED TO THE
FLORIST, PLANTSMAN, LANDSCAPE GARDENER AND KINDRED INTERESTS

PUBLISHED EVERY SATURDAY AT 11 HAMILTON PLACE, BOSTON, MASS.

SUBSCRIPTION, \$1.00 PER YEAR



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CHRYSANTHEMUMS

Having Disposed of Our Surplus Stock Plants of ADVANCE, We Are Now in Position to Take Orders for Young Plants for January or February Delivery of the Three Following:

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PRICE: \$1.20 per Ten; \$10.00 per Hundred.

UNAKA. This variety has sustained our last year description. Being a strong grower with perfect stem and foliage, a fine incured bloom of a pleasing shade of pink and maturing the first week of October, places it foremost among early pinks. In fact there is no other good pink to compete with it at this date.
PRICE: \$1.20 per Ten; \$10.00 per Hundred.

CHRYSOLOREA. This variety is about 15 days earlier than Col. D. Appleton, is of larger size, stronger stem, not as tall, its color is intermediate between this variety and Major Bonaffon. This with its excellent keeping qualities, places it in the front ranks of the Commercial sorts.
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**200,000
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ALTHEA (Double):	10	100	1000
Jeanne d'Arc, 3 to 4 ft.	\$1.25	\$8.00	\$70.00
Pink, 3 to 4 ft.	1.25	9.00	80.00
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BARBERRY, 18 to 24 in.	.90	7.50	70.00

DELIZIA:

Crenata, 3 to 4 ft.	1.10	8.00
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PHILADELPHUS:

Single, 3 to 4 ft.	1.25	10.00	75.00
Double, 3 to 4 ft.	1.25	10.00

SPIRAEA:

Anthony Waterer, 24 in.	.90	7.50	60.00
Anthony Waterer, 3 to 4			
.....	.50	3.00	.....

Prunifolia, 3 to 4 ft.	1.00	8.00	65.00
Prunifolia, 2 to 3 ft.	.90	6.00	50.00
Van Houttei, 3 to 4 ft.	1.25	8.00	65.00
Van Houttei, 2 to 3 ft.	1.00	6.00	50.00

VIBURNUM:

Plicatum, 3 to 4 ft.	1.50	11.00	95.00
Plicatum, 18 to 24 in.	1.00	8.00	75.00
Plicatum, 12 to 18 in.	.75	6.00	40.00
Plicatum, 2 to 3 in.	.50	2.50	20.00

WEGELA:

Candida, 3 to 4 ft.	1.00	8.00	75.00
Eva Rathke, 2 to 3 ft.	1.25	10.00	90.00
Rosea, 2 to 2 1/2 ft.	1.00	8.00	75.00
Variegata, 3 to 4 ft.	1.35	11.00	.....

ROSES:

American Pillar, 3 yr.	35.00	.....
American Pillar, 2 yr.	25.00	225.00
Dorothy Perkins, 2 yr.	12.00	100.00
Ruby Queen	9.00
Violet Blue	15.00	125.00
Alice Aldrich	12.00

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Alternanthera Jewel

Stock Plants, 2 1/2 inch, \$20.00 per 1,000

Rooted Cuttings, . . \$10.00 per 1,000

This is by far the finest Alternanthera in sight and you should stock up now for Spring sales.

CHARLES H. TOTTY

Madison, N. J.

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Write for quotations

IMPORTANT NEW SWEET PEAS FOR 1912

New Spencer, — Vermilion Brilliant "The most brilliant iridescent scarlet Spencer yet produced!"

This genuine novelty, which has been much admired both at our Fordhook Farms in Pennsylvania and Floradale Farm in California, as well as in Great Britain, originated with our friend, Mr. HUGH DICKSON, of Newtownards, County Down, Ireland, who wrote: "After most careful, critical comparison with every scarlet Spencer we could procure, including several new seedlings and selections not yet introduced, VERMILION BRILLIANT stood out so prominently that we offer it with every confidence of confirmation by all Sweet Pea planters as the most brilliant, iridescent scarlet Spencer yet produced."

Vermilion Brilliant produces vines that are strong, short jointed and very floriferous, bearing on stout stems, twelve to fifteen inches in length, three and four artistically placed flowers. When well grown the plants are noteworthy in that, unlike all other scarlet Spencers, the stems frequently produce FOURS.

The flowers are of perfect form. The bold, erect standard is well waved and fluted in true Spencer style, of large size, beautifully rounded and finishing well below the keel. The wings are of the same intense pure scarlet as the standard, making a uniform self-color throughout and absolutely sunproof. For exhibition or garden decoration we are confident that this sterling novelty will take a prominent and lasting place in the esteem of all lovers, growers and exhibitors of Sweet Peas.

In sealed packets containing twelve seeds each: Per pkt. 15c.; \$1.00 per dozen pkts.; \$7.00 per 100 pkts. In lots of 500 packets or more, \$6.25 per 100 pkts. (Cable word, VERMILION.)
In sealed packets containing twenty-five seeds each: Per pkt. 25c.; \$2.00 per dozen pkts.; \$13.75 per 100 pkts. In lots of 500 packets or more, \$12.50 per 100 pkts. (Cable word, BRILLIANT.)

VERMILION BRILLIANT was awarded the Silver Cup given by the Philadelphia North American at the National Sweet Pea Society's Show in Philadelphia, June 29 and 30, 1911, for the best variety not yet in commerce.

Pearl-Gray Spencer. PEARL-GRAY is truly a descriptive name. The nearest to this same color that has existed heretofore is the Grandiflora Lady Nina Balfour. It is certainly a most lovely and distinct shade that might be described as a pearl or dove-gray, suffused with light rose, showing a trifle more of the delicate rose shading in the standard. The flowers, borne in clusters of three and four, are of the largest size and uniformly of true Spencer type, being well waved in both standard and wings. In sealed packets of same sizes and at same prices as VERMILION BRILLIANT.

Irish Belle, or "Dream." A superbly beautiful variety that shows quite a new shade in Sweet Peas. The coloring is uniform in both standard and wings,—a lovely rich lilac, flushed with pink, which gives a very distinct and soft tone throughout the entire flower. Of finest Spencer type, waved in both standard and wings, the flowers are of large size and well placed on long stems. Throughout the season, even during the extreme heat and drought of July, the flowers came invariably three and four to a stem. Many Sweet Pea enthusiasts pronounced this,—next to Vermilion Brilliant,—to be the finest novelty in our trials at FORDHOOK FARMS the past season. It was certificated by the National Sweet Pea Society of America, June 29, 1911.

In sealed packets of same size and at same prices as VERMILION BRILLIANT.

"Captivation Spencer" This is a really giant-flowered Sweet Pea of true Spencer type, both standard and wings being well frilled and waved. The beautiful self-colored flowers are of a rich rosy wine-red throughout. The plant is robust and very floriferous, bearing three and four of the extra large flowers well placed on long, strong stems.

In sealed packets of same size and at same prices as VERMILION BRILLIANT.

A Distinct Type of Sweet Peas for 1912

The New "Duplex Spencer" Sweet Pea

The "Best of All" Pink Sweet Peas for Bouquets

"Duplex." This is different from former so-called double Sweet Peas. It has persisted for four years in giving a large percentage of fine double-standard flowers. They are produced on almost every plant—four-bloom sprays giving two and sometimes three of the flowers double, and smaller sprays in same proportion. The twin or triple standards are well placed, so that the flowers have no appearance of coarseness. The color is a rich cream-pink. When bunched it is most effective, the effectiveness being enhanced by the bright lemon keel appearing to great advantage. It is an extra strong grower and we are certain it will take rank at the very top as a market variety, besides being fit for any first prize stand. Messrs. Lowe & Shawyer, Ltd., of Uxbridge, England, who had an advance trial, say it is "the best pink Sweet Pea we have yet grown on our place."—Description of Messrs. DOBBIE & CO., with whom this sterling Novelty originated.

In sealed packets containing fifteen seeds each: Per pkt. 15c.; \$1.00 per dozen pkts.; \$7.00 per 100 pkts. In lots of 500 pkts. or more, \$6.25 per 100 pkts. (Cable word, DUPLEX.)
In sealed packets containing thirty seeds each: Per pkt. 25c.; \$2.00 per dozen pkts.; \$13.75 per 100 pkts. In lots of 500 pkts. or more, \$12.50 per 100 pkts. (Cable word, DOUBLE.)

New Sweet Pea,—"Rainbow Spencer"

This striking novelty we have a great advance in the striped section. The flowers are of a most beautiful color, generally produced three and four on a stem. They are nicely placed, with wings and keel well up in front of the standard; in fact, the flower proportions are perfect. The ground color is ivory-white, flaked and lightly streaked with rose. The flowers are magnificently waved, and the variety, which originated with our friends, Messrs. C. C. MORSE & CO., of Philadelphia, is highly fixed both in California and in our trials at FORDHOOK. It has rightly been called "a glorious Spencer." In sealed packets of same size and at same prices as DUPLEX SPENCER.

Illustrated Circulars Mailed to the Trade Upon Application

W. ATLEE BURPEE & CO., PHILADELPHIA, PA.

Fruit and Vegetables under Glass

POT VINES

Pot vines now ripening at outside should be kept a little on the dry side, but not allowed to "flag." There is no need to hurry these, as the most of the varieties suitable for pot work will stand eight or ten degrees of frost without harming them, but they must be housed before any severe weather sets in or the pots are liable to be broken by the expansion of the soil as it freezes. Feeding should now cease and the canes encouraged to rest, those for starting for first of December having only six weeks to prepare.

MELONS IN POTS

Melons in pots are fickle things to handle through the winter months, every care being necessary to bring them through successfully. The object for advocating pots for winter work instead of benches is each plant is confined to itself and can be given separate treatment if such is needed. Pots will dry out oftener through the dull weather and will be less liable to canker and other diseases. Sow the seeds singly in three-inch pots; when the seedlings have filled these with roots pot into six-inch transferring from these to their final destination when ready. The final pots must not be less than "fourteens" and should be filled about one-fourth with drainage. The soil for pot work should contain more lime rubble or other opening material than is used in the benches as a melon at all times likes a firm soil and if this is not added water will have a difficulty in passing through. As a preventive to canker raise the ball high enough so that the base of the stem is level with the top of the pot, then when water is given the plant, the stem is kept quite dry. Keep a minimum night temperature of 70 degrees, advancing by day, also keep the house well moist and syringe every clear morning. One or two fruits will be sufficient for each plant to carry. Hero of Lockinge is undoubtedly the best variety for all winter and very early work.

FIG HOUSES

Fig houses having finished fruiting will need similar treatment to a vinery, perhaps taking a little more water as long as they have their foliage. Any that are still ripening a few fruits can have the night temperature kept up to 65 and a more humid atmosphere by day. Do not allow a sudden frost to hit the trees; gradually harden them to it, and then only allow a few degrees. Where additional or new borders of any kind are contemplated the quantity of loam necessary should be figured out and got together at once, stacking it in some convenient spot near where it is to be used. In late houses this work will have to be delayed sometime, probably until winter, in which case it will be advisable to cover the whole heap over with leaves and long manure before any severe frosts set in. This can be removed at anytime and the work proceeded with even though the ground is frozen up.

WINTER TOMATOES

The first batch of winter tomatoes will now have got away in the benches. Remove all side growths, keeping them to a single stem. No feeding will be necessary until two trusses of fruit are set and swelling; until then keep the surface soil cultivated; should the plants lack vigor a little soot can be worked in. Tomatoes resent syringing over head. Keep enough moisture in the house by damping the walls and walks about three times a day. White fly is about the most troublesome pest these plants are subject to, but this can be successfully exterminated by fumigating with

Cyanoide of Potash. A cool night must be selected for this as the temperature should never be higher than 60 degrees at night, and during the day 70 or two or three degrees so much safer. The fruits can be fruited in pots varying in size from six to twelve inches. Seed can still be sown for this work.

CAULIFLOWERS

Cauliflowers are an acceptable vegetable through the winter and can be grown in the vegetable house or any house having a night temperature of 55. Solid benches are preferable to raised ones, as they keep cooler and deeper, the roots having more room to move about in. The plants are best potted on into "fours" before transferring to the benches, but do not get them pot bound or when in the benches they will only "button in" or "button" (i. e., turn in a small useless head at once). Cauliflowers like a naturally rich soil. Organic manure will sometimes cause them to come blind or clubfoot. Give plenty of water while growing and fumigate on first appearance of fly. Quick maturing varieties such as Early Snowball and First and Best are best for this work.

RADISHES

Radishes are a useful addition to salads and can be grown without much trouble in deep flats or benches. Sow the seeds thinly in drills six inches apart and thin out to allow each plant room enough to develop. A night temperature of 50 to 55 will suit them. Use the early turnip shaped varieties in preference to the larger ones. They develop quicker and are more solid.

George H. Benson

Somerville, N. J.

Eremurus

To those who enjoy the variety of a well furnished herbaceous border, and the bold effects produced by planting in groups, the Eremurus will be especially attractive, its distinctiveness being a delightful change from the ordinary occupants of the border, peerless in its majestic magnificence, compelling admiration by its gigantic proportions and the sweetness of its perfume,—a plant not easily forgotten when seen well-grown.

It is a hyacinth-like perennial starting growth quite early in the spring making it necessary to slightly protect the young tender leaves from early frosts, with a light covering of straw or leaves. Coming from a cold country it is perfectly hardy, but enjoys good rich soil, and responds handsomely to liberal treatment.

E. Himalaicus has white star shaped flowers, and throws up a spike two or three feet high, but the real aristocrat is E. robustus, with peach colored flowers, throwing a spike eight to nine feet high, with from three to four feet of flowers, a delightful shade of pink lasting a long time in perfection, and by a judicious choice of background it can be made particularly pleasing and attractive.

The genus comprises some eighteen varieties, but the two above mentioned give the most gratifying results.

Clifford J. Lovelace

Lenox, Mass.

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"Fall Openings" have begun and for

Fall Openings a period will be a frequent item of

our weekly news columns.

Whether they are the enterprises of large department
stores and similar establishments in which the florist is

called in to adorn the surroundings with his beautiful
and fragrant wares or are the florists' own home display
for the purpose of attracting visitors and giving fall
business a start these affairs are equally praiseworthy
and should be encouraged and promoted in every possi-
ble way. We cannot have too many of them for when
well done they are in the first rank as up-to-date busi-
ness developers and the good they do is felt all through
the season.

A situation of large opportunity

The talk by Mr. Farquhar at the
New York Florists' Club meeting
last Monday evening, which we
have recorded on another page of

this paper, deserves careful perusal by everyone whose
interests are identified with horticulture in any of its
departments. After hearing the lecture one gentleman
well qualified to judge was overheard to say that it was
the best address ever listened to by the New York Flor-
ists' Club. The lecturer's statements were straight-for-
ward and keen cut and his deductions and advice such
as might be expected from a man who has taken full
advantage of the opportunities presented by a widely
diversified experience and a position for observation
such as but few are favored with. It is much to be
regretted that time for discussion of the points brought
forward was not available and there is abundant mat-
erial in the paper for discussion which might be ad-
vantageously followed up in all the floricultural organ-
izations throughout the country for the entire season.
A situation of large opportunity certainly confronts us.
Shall we take intelligent advantage of it or let it slip
by unimproved?

Now for serious business

There are many indications that
thinking men here and there, other
than the gentleman referred to in
foregoing notes, are awake to the
unprecedented situation which now begins to loom up
in our horticultural world and are out to sound the call
for a virile onward movement which will place the
gardener and florist in a position higher and better
than he has heretofore occupied. The terse comments
by G. C. Watson in another column of this paper touch
upon the forces which, in our club and society existence
lead to prosperity or to decadence and indirectly tend
either to vitalize or to emasculate our commercial prog-
ress. "The Elevation of Our Business" is a topic
which on various occasions during the past twenty-five
years has appeared on the convention programs of the
S. A. F. and elsewhere, but the field for exploitation
has since broadened out immeasurably and the time is
now here when it becomes the first and most urgent duty
of every organization, national and local, to arouse its
members and to concrete the best and most serious
thought on the immediate means for elevation and busi-
ness development in line with the opportunities pre-
sented. In the selection of officers for the coming term
it will be well to make qualification for such work a
first requisite. The social phases of club activity may,
without any injurious effect, be given secondary prom-
inence for a while or even entirely suspended while we
give undivided attention to the more serious and vital
problems which now press for consideration.

Seasonable Notes on Culture of Florists' Stock

AMARYLLIS

Nearly all the numerous hybrids of *Hippeastrum vitatum* that are showing new growth after a complete rest, should be repotted into new soil. The *Amaryllis* delights in a good light turfy loam three parts, well-rotted cow manure one part. See that pots are well drained with potsherds, so that the water may pass off readily. Place them in a warm and sunny house on a bench close to the glass, and resume regular waterings with overhead sprinklings. Give them a steady temperature of from 60 to 65 degrees with plenty of moisture as active growth starts. When the plants are in full leaf they will want a plentiful supply of water at the roots and any neglect at this stage will greatly impair their growth. When the pots are filled with roots they will be benefited by a frequent supply of manure water—that is, not too strong. It takes from eight to ten weeks from the time new growth begins to push forth until the flowers are at their perfection, and with good treatment they will last in good condition for three or four weeks.

ARDISIAS

Give these plants a place where they will have plenty of sunlight which will give the berries a good bright tint. Go over your plants frequently and turn them around so as to keep them in a well balanced shape. Give water as soon as the ball of roots shows a sign of dryness, for the supply of water must be regulated according to the demands of the plants to ensure healthy root action. Now with the increased fire heat and very changeable and trying weather from this out, keep up constant watchfulness in damping, ventilating and watering. A temperature of 55 degrees is about right for all those plants that have a good size to their berries. Too great a heat is very liable to prematurely force out a new growth, which would be undesirable. Keep a watchful eye for scale and mealy bug.

CHRYSANTHEMUMS FOR EXHIBITION

The height of the chrysanthemum season is now approaching. Keep your plants cool, for heat is not desirable or rational in any stage of their culture. The purpose of fire heat is to prevent the temperature from dropping below 45 degrees and to keep the air from becoming too moist. When your flowers are coming out use a movable light shade on very bright days. It will help to keep the temperature from running up too high, and will be of especial service for advance crop of flowers protecting them from getting burned, bleached or otherwise damaged from too bright sunshine. Use great care in watering now so as not to have any more moisture among the plants than is necessary. Go over the benches early in the day and carefully examine the condition of the soil and only apply water where needed. Feeding should cease just as soon as the flowers are expanded enough to show color, for when feeding is carried on too long the flowers will be of poor quality with soft petals and as a whole lacking in substance. Keep the ventilators open even on frosty nights by turning on during the night a little heat. Keep your plants free from aphids so as to get highly finished flowers.

CAMPANULAS

Now is a suitable time to lift plants of *Campanula Media* and its sub-variety *calycanthema*. The plants that are lifted and potted now have a chance to make new roots before the winter sets in, which also makes

them better for forcing. Pot them into 5, 6 or 7-inch pots, or whatever size will hold the roots. They like a rich soil to grow in, say turfy loam three parts, and manure one part. Press the soil around the plants firmly and give them a good watering and place in a frame where they can be shaded and sprayed for a few days in order to counteract any wilting until they are established. They can stay here until sharp frost, when they will need some protection. When hard weather comes they can be brought into a cool house that gets plenty of light and forced very slowly. These plants should never be started until about the new year and then in a temperature of 50 degrees at night.

LORRAINE BEGONIAS

Keep these plants in shape now by giving them supports in the way of stakes. Small wire cut into the right length and painted green will be just the thing. Attend well to the temperature now by ventilating so as to avoid any cold draughts, but still so as to provide a proper circulation of fresh air. Plants will now be advancing very rapidly and should be examined each day to see which ones need watering, as some will require a more liberal supply than others. By going over them this way you will never have plants in a saturated condition or others that are very dry. See that the plants are placed now and then so as to give them more space and so that all sides can receive an equal amount of light and air. Those that have their pots well filled with roots will stand weak liquid manure once or twice a week, which will prove very helpful. Plants that are now coming on for the holiday trade should have a temperature of about 60 degrees, but when they are in full bloom 50 to 55 degrees will give the plants and flowers more substance.

PLANTING LILIES OUTSIDE

Those who intend to make or replant a lily bed should commence now. Throw out the soil to the depth of 14 or 16 inches, and then place a 6-inch layer of sand and leaf mold on the bottom; this will provide good drainage and help to keep the roots cool in summer. On this you can place enough of good loam and very old manure, so as to have your bulbs set six inches deep and twelve inches apart. When planting the bulbs, always place an inch of sand both above and below the lily bulb, which will keep any manure from coming in contact with it and also prevent any stagnant moisture around the roots. After placing the bulbs it is very important that the soil you use above be made very rich, as they emit roots along the stem above the bulb. This explains why lilies often suffer so much in summer from drought, because these roots are coming so near the surface. Before the ground freezes hard give them a mulch of three or four inches of forest leaves and about three inches of strong manure, which will keep the leaves from being blown away. The following can be recommended as good: *Lilium auratum* in variety, *L. Bate-manni*, *L. candidum*, *L. elegans* in variety, *L. giganteum*, *L. Humboldtii*, *L. longiflorum*, *L. Martagon*, *L. speciosum* in variety, *L. tigrinum* in variety, and *L. Wallacei*.

John J. M. Farrell

Mr. Farrell's next notes will be on the following: Cymbidiums; Eriosea; Lilies for the Holidays; Poinsettias; Sweet Peas; Wintering Cannas and Dahlias.

CLUBS AND SOCIETIES

CHICAGO FLORISTS' CLUB.

The Chicago Florists' Club celebrated its silver anniversary Thursday, Oct. 5, and the event went on record as one of the best times ever enjoyed by the club since its organization a quarter of a century ago. President Philpott quickly despatched the routine business. After the business meeting, 136 guests, members, their wives and sweethearts, sat down to a banquet, which was enjoyed by all. At its close, President Philpott introduced F. Bentley, oldest living past president of the club, who, with his usual happy faculty of expressing himself, entertained the club and called on the various speakers to respond to the toasts. J. C. Vaughan, W. N. Rudd, Geo. Asmus, A. C. Kohlbrand and Phil Foley were among the representatives of the Chicago club to be called upon, while President Windler, of the St. Louis club, and H. Balsley, of the Detroit club, made fitting remarks of congratulation. In behalf of the Milwaukee Florist Club, President Hunkle presented the Chicago club with a large and handsome silver loving cup, taking the latter club completely by surprise, but who keenly appreciate this token of their regard.

The men who are to handle the meeting of the Society of American Florists in Chicago in 1912 are appointed and will begin at once to plan for that event. Twenty-five years ago the society was entertained here in a way that has not been forgotten, and those in charge for the silver anniversary of that event will try to make the coming meeting no less of a success.

H. N. Bruns heads the executive committee, with H. E. Philpott, A. C. Kohlbrand, A. Ringier, A. Henderson, E. C. Amling, M. Barker, E. F. Wintererson, P. J. Foley, A. T. Pyfer and F. Lautenschlager able assistants.

A. C. Kohlbrand is chairman of the entertainment committee, A. Henderson of souvenir album, H. E. Philpott, finance; Arnold Ringier, reception; M. Barker, press and advertising; Louis Wittbold, decorations; Fred Lautenschlager, allied trades; E. F. Wintererson, sports; P. J. Foley, treasurer; E. C. Amling, badge; A. T. Pyfer, hotel.

BUFFALO FLORISTS' CLUB.

At the last regular meeting of the Buffalo Florists' Club a good turnout was seen, the weather being cooler and the boys being more inclined to attend meetings. Business of importance was transacted, and as there will be no flower show this fall, it was decided to hold an open night in November, at which there will be an exhibition and a general good time to follow. A committee was appointed to report at the meeting. The bowling committee report that they will begin the fall and winter season of bowling in a short time, and that this season should turn out some champion bowlers. Much interest has been taken so far, and the able Jos. Streit is steadily taking applications for new members.

E. C. B.

SOCIETY OF AMERICAN FLORISTS

President Asmus has appointed: Charles H. Totty, chairman; W. A. Manda, W. N. Rudd, Thos. Roland, W. P. Craig and J. A. Valentine members of the National Flower Show Committee.

Registration of Rose.

Public notice is hereby given that S. J. Reuter & Son, Inc., of Westerly, R. I., offer for registration the Rose described below. Any person objecting to the registration or to the use of the proposed name, is requested to communicate with the secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

Description: A pure white sport from the Waban strain of White Killarney. Much larger bud, double the size of the ordinary White Killarney. Stronger and more vigorous growth making a large plant with heavy deep colored foliage. An excellent Summer white also having the necessary body with good keeping qualities and pure white color. Being an improvement over the ordinary White Killarney in growth, vigor and size; it is the ideal white for Winter.

Name. "Double Improved White Killarney."

Registration of Althea.

Public notice is hereby given that Henry A. Dreer, Inc., of Philadelphia, Pa., offer for registration the Althea described below. Any person objecting to the registration or to the use of the proposed name, is requested to communicate with the secretary at once. Failing to receive objection to the registration the same will be made three weeks from this date.

Description: A new single white variety, an improvement on Althea Totus Albus with flowers nearly double the size of this last named sort.

It is a seedling raised by Mr. John Clark, assistant superintendent of the United States Botanic Gardens at Washington, D. C.

Name. "Althea Wm. R. Smith."

H. B. DORNER, Secretary.

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The next regular meeting of the club will be held at Horticultural Hall on Tuesday evening, Oct. 17, at 8 o'clock. There will be talks on bulbs for forcing, bedding and naturalizing by Messrs. Wm. Patterson, Robert Cameron, John G. Duguid and others, which should prove timely and interesting.

Exhibits of early chrysanthemums and other flowers are promised and the exhibits table will be unusually attractive. Eight new members were added at the last meeting and there will be a considerable further addition on Oct. 17. A cordial invitation is extended to all lovers of bulbous flowers to attend this meeting. It makes no difference whether they are club members or not, they will be made heartily welcome. A few more names sent in for the landscape gardening class will enable its being started at once.

W. N. CRAIG, Secretary.

NEW YORK FLORISTS' CLUB.

The October meeting of this organization last Monday night was well attended and proved to be so interesting that it was close to the midnight hour before it disbanded. After the usual routine business J. Austin Shaw announced that the next meeting would be Ladies' Night, on which occasion J. Otto Thilow of Dreer's, Philadelphia, would give an illustrated lecture on "His Travels in the West." Election of officers would be the principal business at the December meeting. For the meetings of the new year, R. Vincent, Jr., on "Experiences in Dixie;" H. A. Bunyard on "Sweet Peas," and Geo. V. Nash on the "Apple Industry in the West," will severally be heard.

A discussion on the all-important question of efficient greenhouse help and adequate pay was precipitated by some remarks by Charles Lenker, who asserted with truth that "we cannot all be captains of industry." J. K. M. L. Farquhar called attention to the fact that labor conditions had greatly changed in twenty-five years. The standard in England, from which, he said, some of our best gardeners had come is not now what it was a generation ago. W. A. Manda and C. H. Totty followed, the latter pertinently inquiring, "What can you expect for nine shillings a week?"

J. Austin Shaw, A. L. Miller and J. A. Manda were appointed a committee on the death of I. L. Powell.

Secretary Young made some eloquent and very appreciative remarks in gratitude for the club's part in electing him secretary of the S. A. F. at Baltimore. \$10 a month was voted for the use of the bowling club. J. K. M. L. Farquhar was the lecturer of the evening, his subject being The Horticultural Outlook. The paper appears on another page of this issue. Charles Schenck and Patrick O'Mara then entertained the members with accounts of their observations horticulturally during their recent trips abroad.

C. H. Totty exhibited for E. G. Hill Co. a vase of magnificent blooms of the new rose Sunburst. It was awarded 89 points. W. A. Manda was given special mention for seedling dahlias. H. F. Michell Co. and Chas. Lenker also showed dahlias of merit and Buddleias from Michell were especially admired.

HUNTINGTON HORTICULTURAL AND AGRICULTURAL SOCIETY.

The ninth annual exhibition of the Huntington (N. Y.) Horticultural and Agricultural Society was held Sept. 29 and 30. The exhibition was of good quality throughout. The leading features were dahlias and apples, the latter being abundant and fine. W. J. Matheson, James Kirby, gardener, was the largest exhibitor of dahlias, with a fine collection of newer varieties, capturing first for collection, first for double, and the Stafford cup for 12 varieties. R. R. Conklin, E. S. Smith, gardener, also exhibited a fine collection, winning second for collection and first for single.

A. H. FUNNELL, Sec.

THE HORTICULTURAL OUTLOOK

An Address by J. K. M. L. Farquhar, Boston, Delivered Before the New York Florists' Club, October 9, 1911.

Retrospect.

In looking backward thirty years or more one is very forcibly impressed with the advancement made in nearly every department of horticulture. Any amplification of this statement would be superfluous to this audience; rather would I speak briefly of some of the agencies which have been working for the unprecedented progress of the past ten years or so.

Agencies of Advancement.

Foremost of these agencies I place the automobile, which of itself has been the means of greatly changing the habits of the American people. The limit of suburban residence has extended from about twenty miles to a hundred, and the houses and grounds have increased in importance and area in like proportion.

The larger country estate is of greater interest than was the smaller one, and the time-saving automobile gives the owner more time in which to enjoy it, and, furthermore, having his own comfortable and ever-ready means of transportation, he goes to it earlier in the season and stays later than formerly, when his sojourn in the country depended upon railroad timetables.

The telephone, the electric lamp, and recent inventions for water supply and heating have all contributed to make life on the country estate much more enjoyable than in the immediate environment of the large city, where only such comforts and conveniences of life as were obtainable in the cities themselves could be had formerly.

The automobile, too, has lessened the owner's interest in horses; the time and much of the money spent on horses are now frequently bestowed on the garden and grounds.

Another agency has been the periodical press, which, with beautiful illustrations, has done much to arouse and develop interest in gardening. The articles published have been incentives to many to make their home grounds beautiful as well as to lead them to give attention to providing home supplies of flowers, fruits and vegetables, rather than to depend upon city markets, as in the past.

I might mention many other agencies which have been instrumental in bringing so many of our people to a greater appreciation of, and interest in horticulture, but I content myself with calling attention to the influence of the country clubs. Not only have the social influence and health-giving recreations of these institutions proved beneficial, but the well-kept fair-grounds and putting-grounds have led many a country clubman to improve his own lawn and grounds.

Wealth and Travel.

Millionaires and multi-millionaires are much more numerous now than they were a generation ago. Luxuries to them are now necessities, and horticulture has its share in supplying them. They have traveled abroad

where they have seen things which have appealed to them, pictures, sculptures and other works of art, great houses with rich and rare furnishings and fine old gardens, with beautiful trees, shrubs, vines and flowers—and they want them all. The gardens give us our opportunity; opportunity many times greater now than ever before in this country; opportunity greater in this than in any other country; opportunity greater than we realize and which will grow beyond our most sanguine expectations if we horticulturists to whom it comes do our part. To be successful we must seek success, not alone for ourselves but for our clients as well, and I shall aim to point out, briefly, how each one of us in his own particular branch may cultivate and propagate this present phenomenal propensity of our people for gardens and garden things.

The Private Gardener.

To the private gardener I would say: Make yourself master of your calling. If possible specialize in some branch of it; it will distinguish you to do so, just as it distinguishes a physician to specialize in some department of medical science. Like him, you are really a scientific man; your calling makes you one. Yours is a long training, in fact it is never done; but let not that fact discourage you. Not only should you learn to till the ground, how to produce crops of flowers, fruits and vegetables, both under glass and out of doors, how to use, understandingly, fertilizers, fungicides and insecticides, how to lay-out, make and plant a garden, from shade trees to water lily, how to build drains, garden walks and greenhouses, but a hundred other things. Learn it all—the art of gardening—so far as is possible, and then render to your employer the best service you can and insist upon getting equitable compensation. The demand for men who are gardeners of high grade was never so large as it is now, and such men can command good salaries. The great trouble is that too many important positions are held by incompetent men who are willing to work for compensation which would not attract a capable man.

You should endeavor to meet the wishes of your employer. Have a clear understanding with him as to what he wishes, then let him know that you must have a free hand in your work for results. Regard your garden and greenhouses as a manufacturer does his mill. Buy enough material to keep your plant running at full capacity, but do not buy anything you do not need. Do not try to return the favor of a nurseryman or seedsman who may have placed you in a position by giving him an order for supplies you do not actually require. Study the interests and wishes of your employer—he is entitled to consideration and if he is the right sort of man he will appreciate and recognize your efforts.

The Florist.

To the florist, I would say: Broaden

your business. There is opportunity to do it and you will be obliged to do it to prolong your success. Have you ever tried to add to your customers from among the middle classes? Their trade is solicited when they are in want of funeral pieces, but rarely at any other time. Yet, I believe there are thousands of people of moderate means who would gladly step into a flower store on Saturday and buy a dozen carnations, with a little asparagus foliage, or a few fern fronds with which to brighten their homes on Sunday and through the week, if such trade were encouraged. Of course, it would never do to sell to such people flowers that were about to go to sleep; they would have to be fresh and likely to keep good for several days. The feeling that the street vendor is the proper person to care for the middle class trade will bar progress in this direction. The florist should endeavor to diversify the attractions he offers; comparatively little is done with flowering plants in pots. If the very dwarf antirrhinums in pink, white, yellow, etc., were planted in pans like tulips, they would be much more attractive and more lasting. Dwarf wallflowers might be similarly used; not only would they be novel and beautiful, but their delightful, mild fragrance would be appreciated. Small pots or pans of forgetmenots, mignonette, sweet alysum, rhodanthe, and numerous other flowers might be tried at small expense.

You have still much greater opportunity to broaden your business. Within a decade, or less, you will be furnishing pot-grown fruit trees and vines for dining room decoration. Apples, pears, plums, peaches, with from two dozen to half a hundred choice fruits on a tree; pot-grown grape vines, with half a dozen or over clusters of luscious fruit. You may even be selling in the spring or early summer the fascinating little cherry tree, in fruit, of the gay Parisian cafes.

The Seedsman.

Every seedsman should endeavor to educate his customers to the use of high grade seeds and bulbs; he will serve his own best interests in doing this. He should push and encourage the sale of the best varieties, and discourage or discard those that have been superseded.

It is but fair to the seedsman to state that he has had to struggle against adverse conditions. He has been forced to compete with irresponsible dealers who sold inferior seeds or rubbish. It is safe to say that, on the whole, the seedsman has never received the return he has deserved in this country—nothing like what his brother dealer in Europe has received. Compare the prices of the best European houses with those of any house in this country! Conditions are better than they were a dozen years ago—quality is being appreciated more generally—but many buyers still hesitate to pay a proper price for high grade seeds.

This has been especially true of

Dutch bulbs. A Keizerskroon tulip weighing an ounce and a half or an ounce and three-quarters has been put in competition with others weighing from five-eighths to three-quarters of an ounce. The seedsman cannot do much for the upbuilding of his business by buying and selling the cheapest, meanest stock to be obtained. In doing this he fools himself, injures his customer, and in the end loses his trade. What I have said to the private gardener about learning his calling applies still more forcibly to the seedsman. Too many seedsmen do not know their business. The Holland bulb men are aware of this and are still taking unfair advantage of the situation. It is well known in Holland that the favorite single blue Hyacinth Charles Dickens has become so deteriorated by disease that it is no longer fit to be grown. Yet it is listed and sold to this country by the Holland growers who usually send for it "Marie," a cheap, inferior sort. We have seen the beautiful pure white La Grandesse substituted with La Française, a bluish sort having a purple skinned bulb. Standard Silver and Standard Gold tulips have also deteriorated, yet these are regularly listed by many seedsmen, who in most cases receive substitutes such as Cottage Boy, Arms of Leiden, or other inferior sorts.

The Nurseryman.

Nurserymen, as a rule, have been progressive, more so, perhaps, than those engaged in other lines of horticultural industry. Still, there is much for them to do. Too frequently they are more anxious to sell stock than to assure themselves that the stock sold will be well planted, that the ground will be suitably prepared, and that the after-care it receives will be such that the purchasers' success with it will bring the vendor future orders. In the long run it would not hurt the nurseryman to inform a client that the cost of preparation of ground and planting, if done properly, will equal or exceed the cost of the stock. Great ignorance prevails as to the conditions under which nursery stock will thrive, especially of the more common shade trees, which are often planted in gravel.

Nurserymen should endeavor to diversify plantations; there is ample material with which to do this and their clients would welcome the variety. New material, too, is at hand and the nurseryman has a thousand or more new trees, shrubs and vines recently brought from Western China and elsewhere with which to augment his already large variety of available material.

Many of the nurserymen are making better terms on their stock, or allowing larger discounts to the so-called landscape architects than they do to private gardeners. This practice is to be regretted. It puts the gardener at a disadvantage, which is unfair to him. Why should the so-called landscape architect, who often has no practical horticultural knowledge, and, perhaps, nothing more than a short course in drawing, and another in reading Downing, Mawson, and a few other authors for his stock in trade—be accorded trade courtesies which give him advantage over the



FIELD OF SPECIOSUM LILIES

At Flowerfield Farm of John Lewis Childs.

trained gardener who has spent fifteen or twenty years of his life in acquiring his practical knowledge. Choose ye this day whom ye will serve, brother nurserymen; but as for me, and my house, we will stand by the gardener! I will not see him superseded and supplanted by a man much his inferior in horticultural knowledge and ability.

New York Horticulturists.

New York horticulturists: Yours is the largest opportunity. You have the wealth of the country about you. You have the finest estates within a hundred miles of your doors. It is your duty to see that horticulture grows, not only in your vicinity but also throughout the country, for are you not located on the country's greatest thoroughfare? It is your duty to so serve those who come to you that they will be encouraged to become larger patrons of horticulture; and if you do this you will undoubtedly reap the benefit.

You are planning to hold the third National Flower Show in this city. If you make the success of it of which you are capable it will prove a great stimulus for horticultural trade in New York. To do this you must get to work at once. Your schedule should be out not later than January 1. Get busy at once, gentlemen! this is your opportunity.

TAXING POT PLANTS.

Springfield, O.—Backed by all the local florists, the George H. Mellen Company has filed an injunction suit to restrain the country treasurer from collecting taxes to the amount of \$250. They raise the point that flowers taken from the ground and placed in pots should be classed as real estate instead of personal property. The point is one that will be watched with interest by all florists.

WHITHER TENDING?

There are some who say that the recent quarter centennial banquet of the Florists' Club of Philadelphia was a big success because out of 149 present there were 49 ladies. We are not finding any fault either with the committee or the ladies, and nothing personal is intended. The question is, how did the banquet compare with similar events of the past 25 years? Only about one-third of the membership attended and the missing majority embody some of the finest and most progressive brains in the business. Why were they absent?

Banquets are organized as a rule with some object, in view outside of the "Eats" and the sociability. When our forefathers blazed the way into the wilderness they took their lives into their hands. These were the men who made our country. Are we come to the pass now where the cigarettes and the frou frous are to shape club policy and aims and replace the men of initiative, of courage and of far-seeing business ability?

It would look that way, but it is not really so. If, however, the Florists' Clubs let the men frou frou them (there are male as well as female frou frous), there will be a galloping consumption—and after that a chance for a new and virile organism. "Whom the gods would destroy they first make mad." As before said, there is nothing personal in this. Our plea is for the broader view of things, the more tolerant spirit and the revival of the old-time nerve and enthusiasm.

G. C. WATSON.

North Easton, Mass.—John McFarland has a new garden hybrid orchid *Cattleya McFarlandii* Dowiana which he exhibited at Horticultural Hall, October 7. Last March he exhibited one from the same batch of seedlings, and won a silver medal. The present seedling is very distinctly different, however.

AMERICAN TOMATOES IN ENGLAND.

(From report of Consul Charles N. Daniels, Sheffield.)

A sample shipment of American tomatoes was recently unpacked in Sheffield and the fruit was found to be in a very satisfactory condition. Only one tomato showed any sign of a bruise. The variety that appeared to meet with the most favor was the "Stone." The consignee stated that the "Globe" and the "Buckeye" were too large for the English market and also showed some blemishes. Tomatoes are usually eaten raw here or used in salads, and more often than not are served without peeling, so that a smooth skinned tomato without blemishes has the preference. Any mark, as an insect sting or a crack that has healed and left a scar, serves to lower the grade of the tomato in the market.

The condition in which this shipment arrived is proof that tomatoes could be shipped to England from Florida and find a market at seasons of the year when the home-grown article is not plentiful. A tomato to suit this market should run from 1½ to 3 in. in diameter, should ripen to a good color, have a smooth skin, and when packed should be carefully graded, the perfect ones being separated from those showing even the slightest mark on the skin. The mixing of the two grades would result in the lowering of the grade of the whole.

If a tomato like the "Stone," with its firm pulp and fine flavor, could be grown in size to suit this market, there is no reason why it should not find a ready sale. The condition in which those sent arrived shows that they will stand the transportation all right. One of the partly ripe "Buckeyes" showed a tendency to rot before the ripening was completed. Whether this was due to some bruise received in transportation or to the fact that it was not cut at the right time is a question. The proper stage at which they should be cut could be determined by experiment. In the opinion of the dealer it would be better to ship them in tight boxes, thus keeping the air away from them, rather than in open crates. The fact that the "Stone" tomatoes sent were each wrapped in paper bears out this idea. This close package is the one in use by the French growers, and it is also used by a firm shipping Canary tomatoes. The Bordeaux shippers pack the fruit in a flat paper-lined box without wrapping the tomatoes separately, but the Canary tomatoes are each wrapped in paper and then packed in peat moss, which is sent from England for that purpose. The dealer is inclined to think that this paper wrapping tends to ripen the fruit better.

There appears to be two kinds of the "Stone," one inclined to be flat and the other longer and more pointed at the blossom end. The flat ones would be better suited for this market. Both kinds, however, appeared to stand transportation equally as well. The manager of the leading retail grocery sampled the "Stone" and pronounced it superior in every way to the Canary tomatoes he handles. He added that if this tomato could be grown in a size to suit this market and could compete with the Canary fruit in price, it would

undoubtedly find a sale, in fact he stated that he would give it the preference for his own trade, which is the best in the city.

BRITISH HORTICULTURE.

Another Batch of New Dahlias.

Some attractive dahlias were recently on view at the fortnightly meeting of the Royal Horticultural Society. Notable amongst the good whites were Mrs. Shoemith, White Lady and Snowdon. There were some interesting exhibits at the second show of the National Dahlia Society, held at the Royal Botanic Gardens, London. In the nurserymen's classes, for three vases of cactus dahlias, put into commerce for the first time in 1909-10, Mrs. M. V. Seale, of Seavenoaks, Kent, was first with excellent vases of Prima Donna, Mary Purrier and Johannesburg. In the principal cactus class for twelve bunches, six blooms of each variety, Messrs. J. Stredwick & Son, of St. Leonards, Sussex, won premier honors with Indomitable, Olympic, Orion, Elite, Golden Wave, Miss Stredwick Uranus, Snowdon, Satisfaction, Jupiter, Mrs. D. Fleming and H. H. H. Thomas. For six blooms of any one show or fancy seedlings, Mr. S. Mortimer of Rowledge, Farnham, Surrey was first with Edward Lee, a meritorious variety of deep crimson tint. There were some fine samples of paeony flowered dahlias, which are steadily increasing in popularity. First-class certificates were awarded to the following novelties: Golden Wave, pure yellow cactus, Frederick Wenham, apricot, yellow centre, Sunlight, yellow, tinted apricot, Messrs. J. Stredwick & Son; Florrie Wells, pure red, shaded violet, Mr. H. Shoemith, Woking, Surrey; Diadem, deep rose pink, white collar, Messrs. Dobbie & Co., Edinburgh; Mahdi, dark reddish maroon, Messrs. J. Cheal & Son, Lowfield Nursery, Crawley, Sussex.

Autumn Roses.

The autumn show of the National Rose Society exceeded the anticipations of the promoters as regards the quality. In the nurserymen's classes, which were well filled, for 36 distinct varieties, the first prize fell to Messrs. Hugh Dickson, of Royal Nurseries, Belfast, who had some splendid samples of Mme. Joseph Courbet, Charles J. Grahame, Hugh Dickson and Leslie Holland. Some pleasing effects were produced in the class for a group of roses arranged on the floor in a space not exceeding 150 square feet. Messrs. Paul & Son, The Old Nurseries, Chessington, Herts, the first prize winners, made a bold display with some exceptional blooms. The representative group of cut roses also attracted considerable attention. Messrs. W. & J. Brown, of Peterborough, securing the chief award. As is usually the case, the dinner tables decorated with roses proved a popular feature with the visitors. For the best blooms in the following were the awards in the nurserymen's section: Hybrid perpetual, Gloire de C. Guinoisseau, Hybrid tea, Earl of Warwick, both exhibited by Messrs. Cocker & Sons, of Aberdeen; tea, Molly Sharman Crawford, Messrs. Adam & Craigmile, of Aberdeen. There were several novelties submitted

for adjudication, but only one was considered sufficiently meritorious for an award. This was Mrs. Muir Mackean, a shapely hybrid tea. It is a self-colored crimson, of a deeper shade in the bud, and is likely to prove a useful addition to the H. T. section. A silver gilt medal was awarded to the exhibitors, Messrs. S. McGredy & Son, Portadown, Ireland.

W. H. ADSETT.

LOUISIANA AROUSED.

The State of Louisiana with many million acres of now uncultivated but highly productive soil, a mild climate which permits a series of crops to be grown on the same land each year, and a net work of navigable canals and streams which insures cheap transportation, will bid for the immigration Canada is now getting from the United States. In order to make the bid most effective, a Louisiana Agricultural Exhibit Commission has been appointed by the Governor, and supplied with funds by the Parishes, or Counties of the State, for the purpose of gathering exhibits and data concerning agricultural production, cost and profits, health and market conditions, character of soil and climate, etc., and thus equipped meet the people of the North and West face to face.

The Commission will demonstrate that with only about 5,000,000 acres in cultivation out of 27,000,000 acres comprising the State, the people of Louisiana have prospered, her planters have enjoyed wealth and affluence, and her farmers have never known want. The plantation or overlord system, is now rapidly disappearing, and the great estates are being sub-divided and cultivated by smaller independent farmers. The cut-over forests are being cleared and opened up to settlement. The wet alluvial lands are being drained and made available to the plow. In this manner new tracts of virgin lands are being made available and the State in its official capacity is taking time by the forelock, and is going after farmer families to occupy these lands.

The first exhibit the Louisiana Commission will give will be at the United States Land and Irrigation Exposition, at Chicago, November 18 to December 9. Others will follow later. The object of the Commission is to exhibit average rather than abnormal products, so that the farmer seeking accurate information may learn exactly what the soils of Louisiana produce under normal conditions. No land will be sold at these exhibits, no private enterprise will be exploited and no information will be given out except such as has been carefully investigated and compiled by the Commission itself.

The Chairman of the Commission, Dr. W. R. Dodson of Baton Rouge, is the Dean and Director of the State College of Agriculture and Agricultural Experiment Stations. Other members are: Robert Glenk, New Orleans, Curator Louisiana State Museum; Louis N. Brueggerhoff, Shreveport, the active head of the Louisiana State Fair Association; M. Leigh Alexander of Alexandria, who represents the Agricultural interests of North Louisiana, and A. B. Graves of New Orleans, who represents the Agricultural interests of South Louisiana.

A FIFTIETH BIRTHDAY

Early last week it was whispered about among the numerous friends of George C. Watson in Philadelphia that that eminent seedsman, writer, and critic and dispenser of Philadelphia good cheer would pass the half-century mark on Friday, October 6, and it was proposed to waylay and kidnap the gentleman and give him a grand blow-out at Dooner's famous hostelry on that evening. The kidnapping business was entrusted to W. C. Langbridge, who did not make a "howling success" of it, but the rest of the program was carried out in great style, and fifty adherents of the fifty-year-old, including a few from Boston and New York who had been let into the secret, had the time of their lives on that memorable Friday night.

The program of the jollification was an elaborate production, the joint achievement of Howard M. Earl and George W. Kerr, the latter producing a galaxy of Burns' quotations suitable to the occasion. The menu—well, that was Dooner's part and nobody can improve on Dooner when it comes to catering. The banquet hall was beautifully decorated, under the loving hand of John Westcott. The head table was richly adorned with croton foliage and flowers. The four other tables were made to represent the four seasons—the spring table being decorated with baskets of lilies, daisies and pansies; summer with roses and other appropriate material; autumn with chrysanthemums, dahls and golden foliage, and winter with dark green foliage weighted with materials simulating frost and snow. On a large easel the inscription 50 was worked out in scarlet flowers and the open spaces about the room were filled with palms.

W. Atlee Burpee presided with rare affability. Robert Craig asked a blessing in the oft-quoted stanza from Burns. Mr. Burpee's address was very clever and witty, and his introductions of the various speakers were veritable gems. It transpired that the idea of this banquet had originated with Mr. Burpee's California manager, Edwin Lonsdale, and a toast to Lonsdale was enthusiastically drunk.

Robert Craig next spoke eloquently recounting the companionable traits and sturdy character of the guest of the evening, concluding with a wish for his long health and happiness. Wm. J. Stewart followed and expressed his pride at being able to join in such a tribute of love and respect in appreciation of Mr. Watson's noble qualities of mind and heart and his unique personality.

Hon. John Lamb, the distinguished counsel for the Reading R. R., followed in a humorous arraignment of the guest, giving as his excuse the words in the middle of the menu, "Punch Watson." Then came H. A. Bunyard, who asserted that there is not a hall anywhere big enough to hold G. C. Watson's friends.

John Westcott, the hard working chairman of the committee, was the next speaker and his "I love everybody when I know their heart is all right," struck a responsive chord in every heart. John Westcott himself

is all heart. Louis Boss, treasurer of the occasion, followed with a most witty talk and then came S. S. Pennock, who in presenting Mr. Watson with a copy of Charles Dudley Warner's "My Summer in a Garden," read an apt quotation from that deliciously naive and humorous book—the application of which to the guest of the evening being instantly appreciated by all present.

Then came the guest himself, George C. Watson, who received an ovation such as is seldom accorded to anyone. And here is what he said:

Well, boys, you've got me in a cavity this time. If I run away I'll fall down, and if I stay I'll get roasted. I can't run away without offending the kindly spirits who have put up this feast, and if I stay I'll get roasted. I can't sass back, under these peculiar circumstances; so, as I say, you have me in a cavity. You have me completely bottled up whichever way I turn, so I suppose I will have to stand



GEORGE C. WATSON

for it as well as I can. My friends, Doc Lane, Ed Flood and John Westcott, were in great glee last Sunday because they got me out in a rough sea and made me sea sick. The reason they gave for their enjoyment of that was, that they had George speechless for three hours anyway. Well, this occasion is not quite so bad as the sea sickness, but to a modest kid like yours truly it has some resemblance because it at least makes me speechless, and I suppose there are many of my friends here who are glad of a chance to get a word in edgewise, and maybe that thought was back of their heads as well as in their hearts a lot of warm friendship. It would be unbecoming in me not to express my appreciation of the kindly hearts who have thus made me their victim. I truly do, and I thank you from my heart. This is my first birthday party. That is rather remarkable that a man should live to be fifty before he had a birthday party. Jack Dunham has about fifty a year. This is my first. I have often wondered what it felt like. Now I know. It is a cross between put de mer, hot Jamaica cock-a-lekie, roast turkey, Abernethy biscuits, and Trimblin' Jimmie. It's a tough proposition, but on the whole I think I like it.

John Burton then gave his experiences with Mr. Watson as a traveling companion and J. K. M. L. Farquhar on his old friendship for Mr. Watson extending back to the time when George as a boy from Scotland began his career in Boston in the American seed trade. P.

Welch, the next speaker, was eloquent in his testimonial to his friend of many years and W. C. Langbridge followed in a witty speech.

Then Howard M. Earl took the floor and presented to Mr. Watson a handsome gold watch from his friends as a memento of this delightful occasion. Mr. Watson responded appreciatively. Then all joined in "Auld Lang Syne."

During the evening, verses written for the occasion by Prof. L. C. Elson of Boston were read, also a congratulatory telegram from J. C. Vaughan, W. N. Rudd and Michael Barker. Prof. Elson's poem was as follows:

An elderly and distant party
Lies to send greetings warm and hearty,
And wishes that he there might be
To pledge you in the Barley Bree,
All are aware there are no blots on
The scutcheon of our George C. Watson,
And he's so active, bright and sporty,
You'd scarcely take him to be forty.
Altho' a friend of moral suasion,
He can be tart upon occasion.
It's strange a man so very witty
Should live in William Penn's slow city.
But then he gives his wits a rub
By often visiting "The Hub,"
But wheresoe'er his journey tends
He makes a host of loyal friends.
Old comrade from the land o' Burns,
I wish you many glad returns.
You're not a bit of molly coddle;
May years sit lightly on your noddle.
An ancient friend sends you this blessing,
Who is it?—Well, I'll keep you guessing!

Mr. Watson dictated the following telegram:

Edwin Lonsdale, Burpee Seed Farms,
Lompoc, Cal.

My heart goes out to you as yours has gone out to me across seas and continents on this and many other occasions. Your good will and good wishes are very precious to me. My fiftieth has been made to me by a host of warm friends a most memorable and unforgettable occasion. I am still dazed with the magnificence of it, and have only words enough to say "God Bless Us All." Love and greetings from your old friend on his fiftieth birthday celebration.
GEORGE C. WATSON.

Interspersed between the speeches was solo singing, tenor, bass and baritone—the best we have ever listened to at a banquet anywhere on any occasion. The gentlemen who sang were all warm friends of Mr. Watson. They were: Theodore H. Bird, Daniel Houseman, Thomas F. Hogan, E. M. Tyrrell, E. J. Dooner, George W. Kerr, and they contributed very greatly to the enjoyment of the occasion.

Following are a few quotations from the various speeches:

Sure Louis! I'm more than glad to cheer poor old George on his way; but why in the name of the Holy Roman Empire did you select a Friday?—Tom Daly.

I am not at all surprised that George feels like eighty-five! I have an attack of lumbago myself!—Alexander Forbes.

My sincere regards to the venerable George. May he not be wrecked on Rye Beach before I get there to keep him company!—John F. Gorman.

There will be two of us at the celebration if I can get away; but anyway—reserve accordingly.—Wm. Henry Maule.

I have come a long way in order to testify my appreciation—and hope his stay here on earth may extend—to these many years!—P. Joseph Lynch.

I hope we will have George with us for another 85 years, for nobody leaves his company with a grouch on!—Daniel C. Donoghue.

Sit down Louis! There you are—all

three of you, on your feet at once! And all three of you, lawyers! You talk, and you talk, and you talk; but you don't say anything! Not one of you! Sit down; all of you!—Paul Huebner.

Isn't it about time Louis was reading those letters again?—John Burton.

As we go to press the following communication reaches us and we give it place as a good ending to the account of this memorable event:

The Sinner's Reflections on the Great Event.

If I had made or inherited a lot of money I can imagine lots of them coming forward to say nice things. But having done neither, the conclusion is irresistible. The boorah must have been genuine. That is a thought that ought to give me much satisfaction and it does. And the notion has gone forth that the average American loves and worships the dollar, and the dollar only. Here is at least one instance to the contrary. The American people, I believe, are just as human as the rest of the world. They are keen for the dollar but they are also warm-hearted human beings. I have sojourned among them twenty-seven years, and have, every minute, more and more realized that fact. I hope to live and die among them. Greatest people on earth, and getting bigger every minute!

GEORGE C. WATSON.

WASHINGTON NOTES.

Walter Kimmel has returned from a very pleasant fishing and camping trip on Blackstone's Island.

Leapley & Meyer, 905 G street, N. W., are in the midst of a very successful fern, palm and bulb sale.

The new store on King street, Alexandria, Va., to which Mr. Charles Kramer recently removed is far superior to the store formerly occupied by him, and it is reported that he is doing nicely.

It is with regret that we have to report that George H. Cooke has suffered a breakdown following his recent attack of blood poisoning. Earlier in the year Mr. Cooke ran a thorn into his hand causing the poison and his health since that time has not been of the best. His very many friends here wish him a speedy recovery and the return of his usual good health.

The local organization of architects, at their meeting held last week, appointed a committee of three to investigate the advisability of taxing bay windows. As bay windows and display windows are one and the same, such taxation will hardly be favorably considered by the trade in this city. Should this become a law, those owning would be obliged to pay taxes according to their frontage, and those hiring quarters will be no doubt, called upon to pay an increased rental to make up whatever charges are assessed.

The Department of Agriculture announces that they have discovered a method of so treating persimmons as to remove the "pucker" therefrom. This is said to be due to the presence of soluble tannin which becomes insoluble when the fruit gets ripe, but this condition may be removed by subjecting the fruit to a diluted solution of alcohol and the use of carbon dioxide and starch in the processing compartments instead of allowing the air to reach the fruit while undergoing treatment. Thus the fruit may be pared and eaten while firm.

PHILADELPHIA NOTES.

Whoever lost a half ticket for Baltimore and Philadelphia can get a refund by applying to John Westcott. Found on the boat trip down the bay. Address John Westcott, Ridge and Lehigh avenue, Philadelphia.

We understand that Mack Richmond of Baltimore is contemplating a new deal. He is now a free lance, the Halliday's having sold their greenhouses of which he was foreman for so many years. Nothing definite has yet been decided on.

A pleasant meeting took place at Dooner's on Thursday between those two veterans, W. R. Smith and Robert Craig. From time to time old friends dropped in and greeted them. The "senator" looks hale, hearty and rugged. Age cannot wither nor custom stale.

The grand show that can be inexpensively made with the dahlia was well illustrated at the recent Florists' Club dinner here. The Niessen growers sent in liberally (without thought of reward) and put up a splendid advertisement for an even more liberal use of this fine flower in the future.

M. Rice & Co. have added to their salesforce Mr. John E. Scolley who will call on the Philadelphia trade. Mr. Scolley is one of the store boys—well trained and promising for the future. Has been with the firm four years. Came to them from high school when 17—so is still a young man with his spurs to win. We wish him well.

The big steamers Frankfurt, Graf Waldersee, Manitou and Taormina each brought heavy shipments of imported baskets, novelties, etc., for M. Rice & Co. They report sales exceedingly brisk. In their warehouses, packing and shipping departments it was necessary to keep the employees working nights to keep up with the orders.

Montague Wright, a former Philadelphia boy, who has for the past six years been one of Lord & Burnham Company's New York representatives, is now associated with Dennis & Co. in the company's Philadelphia office. Mr. Wright will give special attention from this office to the handling of the southern territory—a field which he has been in close touch with for several years.

Visitors: Mack Richmond, Baltimore, Md.; W. F. Gude and W. R. Smith, Washington, D. C.; W. C. Langbridge, Cambridge, N. Y.; John F. Horn, of J. F. Horn & Bro., Allentown, Pa.; Charles Vorkeller, Co. Bethlehem, Pa.; William F. Gude, Washington, D. C.

Baltimore—A shipment from Holland consisting of something like 225,000 bulbs has just been received by the park commissioners to be set out in the local parks. The consignment was under the supervision of H. van Rynveld of Hillegom, Holland, and he has come to this city to instruct those in charge how best to take care of them. In the shipment were 10,000 Murillo, 10,000 Imperator Rubrorum, 10,000 Couronne d'Or, 60,000 Montresor, 75,000 Belle Alliance and 60,000 Potebakker.

ST. LOUIS NOTES.

Henry Young & Son on Maryland avenue had their opening last week. The store was crowded daily.

C. Young & Sons' new show room and store on Waterman avenue is nearly completed and the opening will be made a feature.

The Sanders' Nurseries new retail establishment on Clara avenue is nearly completed. They expect to open November 1st.

There were quite a lot of large plant decorations last week at the large department stores down town. Chas. Beyer, C. A. Juengel, Wm. Schray & Sons, and Bruning were kept busy with this kind of work.

The St. Louis delegates who went to Chicago to attend the 25th anniversary of the Chicago Florists' Club numbered fourteen. All arrived home on Saturday and report a splendid time and a fine entertainment.

It's only a few more weeks now until the Fall Flower Show opens in the big Coliseum building and which promises to be the best and largest the Horticultural Society has yet attempted. Entries are coming in daily for space.

Ostertag Bros., at Washington and Jefferson avenue, also have an opening all week, celebrating their 25th year in business. Flowers and handsome souvenirs were given to all lady visitors. The place is known as the "House of Flowers."

Visitors: A. Tomaszewski and Tim. Waters, both of Chicago.

DETROIT NOTES.

Miss Holzhauer is fully settled in her new commodious flower shop.

The Michigan Cut Flower Co. has seven million choice ferns stowed away, and they keep coming.

Mr. Harry Breitmeyer, son of genial Phil Breitmeyer, will marry Miss Bamlet, Oct. 10, and spend their honeymoon on an eastern trip.

J. F. Sullivan has gone east on a short business trip, and Mrs. Sullivan, although still showing the effects of her long illness, is hustling in the store.

Schroeter's annual fall decoration for the Necomb, Endicott Co., used up 1500 Beauties, about 4000 roses, 26 fancy baskets and over 100 palms.

FRANK DANZER.

PERSONAL.

Sedalia, Mo.—C. A. Claison has been appointed superintendent of Floriculture at the Missouri State Fair.

E. Westergard, gardener for S. W. Winslow, North Beverly, Mass., left October 13 to take head gardener's position on the estate of C. Howard Clark, Devan, Pa.

Visiting Cincinnati—George E. Kessler, landscape gardener, St. Louis Mo.

Visiting New York: Alexander Dallas, Waterbury, Conn.; M. E. Estep, Spokane, Wash.

Visiting Boston: Walter Mott, representing Wm. Elliott & Sons, New York; W. P. Craig, Philadelphia, Pa.

BOXWOOD

THE MACNIFF HORTICULTURAL CO.

62 Vesey Street, New York City

Will offer at Auction on Tuesday, October 17th, at Eleven o'clock A.M., thirty cases of Boxwood, sizes 12 inches to 6 foot high, Pyramid and Globe shape. Also Decorative Palms and Ferns.

ROBERT W. MACNIFF, Auctioneer.

LOUIS SCHMUTZ, Secretary

GREENHOUSES BUILDING OR CONTEMPLATED.

Appletown, Md.—D. H. Green, one house.
 Dansville, N. Y.—M. J. Schaaf, one house.
 Stratham, N. H.—W. H. Land, one house.
 Springfield, Mo.—J. N. Draper, addition.
 Norfolk, Va.—Fox Hall Farm, house 25x300.
 Warwood, W. Va.—Albert Lasle, rebuilding.
 Bridgeport, Conn.—James E. Beach, addition.
 Evanston, Ill.—C. P. Liedier, range of houses.
 Johnstown, Pa.—A. J. Meinneger, rebuilding.
 Albany, N. Y.—H. G. Eyres, range of houses.
 Marinette, Wis.—George Vatter, one rose house.
 Council Bluffs, Ia.—Hermann Bros., five houses.
 Middleport, N. Y.—John H. Gould, one house.
 West Albany, N. Y.—F. A. Danker, orchid house.
 Alexandria, Va.—David Grillbortzer, house 70 x 150.
 Waukegan, Ill.—Mrs. John Larsen, house 20 x 100.
 Forest Grove, Ore.—Martin & Forbes, range of houses.
 South Norwalk, Conn.—J. H. Smith, range of houses.
 Anthony, Kan.—Forest Park Cemetery, one house.

Islip, N. Y.—B. Fagen & Son, one house and office.

Council Bluffs, Iowa—Hermann Bros., five houses.

Wakefield, Mass.—John Barry, Main street, one house.

Danville, Pa.—E. J. Le Duc, carnation house, 70 x 150.

Aldan, Pa.—Clarence Alwine, three houses, each 25 x 100.

Grosse Point, Mich.—Truman S. Newberry, one house.

Stamford, Conn.—M. Gorman, 1 Green street, addition.

Philadelphia, Pa.—Mrs. J. Carroll, 11th and Cedar streets.

Fort Salonga, L. I., N. Y.—Olmsted & Son, range of houses.

Murphysboro, Ill.—Claude Wisley, two houses each 28 x 150.

Owatonna, Minn.—Clinton Falls Nursery Co., range of houses.

Pine Hills, N. Y.—George Hawley, 994 Madison avenue, one house.

Irondequoit, N. Y.—Adelbert Titus, seven vegetable houses 15 x 300.

Salt Lake City, Utah—C. S. Martin, 747 East Fifth street, one house.

Chicago, Ill.—Peter Nepper, 7431 Murphy avenue, range of houses.

Milwaukee, Wis.—J. Arnold, 1504 Pt. Washington road, two houses.

Malden, Mass.—E. D. Kaulback & Son, 160 Pleasant street, one house.

Northboro, Mass.—Ralph E. Wadsworth, Pleasant street, house 40 x 200.

Lancaster, Pa.—Julius P. Siebold, 924 E. Orange street, two houses, each 26x110.

Greensboro, N. C.—Howard Gardner, range of houses. George M. Todd, additions.

Sea Cliff, N. Y.—Thomas Watkins, carnation house 25 x 150. E. J. Buchtenkirch, carnation house 32 x 200.

Davenport, Ia.—J. W. Davis, Davenport, Ia., three cucumber houses, each 43x600. Lord & Burnham Co., builders.

Monticello, Ind.—The Monticello Floral Co., house 20 x 100. An office and salesroom with cut flower basement has also been built.

Holland, Mich.—This city is to build a municipal greenhouse as Park Commissioner Koyers has sold his private greenhouse where he has hitherto taken care of the park plants.

SPECIAL ROOSEVELT FERNS

2 1/2 in. stock, \$2.50 per dozen; \$17.50 per hundred; \$150.00 per thousand; can fill orders at once or book them for future delivery. Write for our list of Boston, Whitmanii, Amerpholii, Superbissima, Scottii, Sprengerii, Plumosus, Maiden Hair and Small Ferns.

GEO. A. KUHL, Pekin, Ill.

LORRAINE BEGONIAS

Strong 2 1/4 in. stock, ready for 3 1/4 in.
 Per 100, \$15.00; 250 at \$14.00 per 100.

THOMAS ROLAND, Nahant, Mass.

SPHAGNUM MOSS, 8 barrel bale dry, \$24.00
 ORCHID MOSS, LIVE, barrel, 25.00
 GREEN CLUMP MOSS, " 25.00
 GREEN SHEET MOSS, " 1.00
 ORCHID FEAT, " 25.00
 LAUREL WREATHING, per 100 yards, \$3.00 and 3.50
 NURSERY MOSS, per large car, 50.00

J.B. TOWNSEND, Berlin, N. J.

DREER SEASONABLE SPECIALS

Special circulars offering the following seasonable stocks have recently been mailed to the trade. If you are interested and have not received copies, write to us.

Japanese Iris

Japanese varieties, but not Japanese mixtures. 150,000 home-grown plants, true to name. Forty-four of the finest varieties ever brought together. Now is the time to plant.

Paeonies

Now is the time to plant. We have just harvested 150,000 roots, strong divisions, four, five and more eyes. Many of the standard sorts at particularly interesting prices.

Hardy Perennial Phloxes

More than half-a-million plants are now in bloom at our Locust Farm Nursery. The best varieties only and we can ship at once.

Dahlias, Field Grown Roots

We have issued a special catalogue of these in which we offer 200 standard up-to-date varieties. You should consult this list before making up your catalogue for 1912.

Araucarias

Thirty thousand plants now in stock. Prices lower than ever offered. This is for early delivery only and it will pay you to cover your requirements for the coming season now. Get our special circular offering these plants.

For a complete line of all seasonable Florists' Stock, Hardy Perennial Plants, Bulbs, Seeds and Sundries, consult our Current Wholesale List, issued September 1st.



HENRY A. DREER, Inc.

714 Chestnut Street, - - - PHILADELPHIA, PA.

LATE DUG FORMOSUM

Fine Large Bulbs Thoroughly Ripened

7-9 in. (250 bulbs to case)	\$7.50	\$65.00
9-10 in. (200 " ")	\$11.00	\$100.00

A. HENDERSON & CO.

30 E. RANDOLPH ST., CHICAGO

Headquarters for

FALL BULBS

Send for Trade List

John Lewis Childs

Flowerfield - LONG ISLAND, N.Y.

For Fall Planting

Lilium tenuifolium, Henry's, Hanson, Wal-lace and Davuricum; Elegans vars., Single and Double Tigers; Japan Tree Lilac, Delphinium formosum; Japan and German Iris; Daphne Cneorum.

Fall list ready in August.

E. S. MILLER

Wading River, - - - N. Y.

HERBERT, ATCO, N. J.

DAHLIAS Every Day in the Year

PALMS, FERNS, DECORATIVE AND FOLIAGE PLANTS

Also Azaleas, Begonias, Bay and Box Trees

A. LEUTHY & CO.

Perkins Street Nurseries, Roslindale, — Boston, Mass.

Price list on application.

BEST PALMS

All Varieties, All Sizes.

Send for Price List

Joseph Heacock

Wyncote, Pa.

FERNS FOR DISHES

Assorted varieties, 2-in. pots, \$3.50 100, \$30.00 1200; 500 at 1000 rate. Cash with order

FRANK OECHSLIN

1911 Quincy St., - CHICAGO, ILL.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 49th STREETS, PHILADELPHIA, PA.

ORCHIDS

Greatest quantity and variety in the country. Established and freshly imported. Also material in which to grow them.

Write for special list and catalogue.

LAGER & HURRELL, SUMMIT N. J.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World

SANDER, St. Alban's, England and 258 Broadway, Room 721 NEW YORK CITY

ORCHIDS

PLANTS and FLOWERS always on hand

ORDONEZ BROS.

Madison, New Jersey

ROEHRS

Orchids, Azaleas, Palms, Lorraines, Crotons

RUTHERFORD, N. J.

CHICAGO NOTES.

An Anniversary Cup.

The handsome silver loving cup presented to the Chicago Florists' Club is calling forth many words of admiration. It is on exhibition at the office of the Chicago Carnation Co., whose popular manager, A. T. Pyfer, is club secretary. The cup is about 14 inches high without the base, and on the side is beautifully engraved Chicago Florists' Club Silver Anniversary, from the Milwaukee Florists' Club. Oct. 5, 1911.

The Chicago florists are greatly moved over this expression of the good will that prevails between the Milwaukee Club and their own.

Illinois State Fair.

Chicago florists who attended the State Fair at Springfield, Ill., last week speak in highest praise both of the exhibition and the management of the floricultural part. Poehlmann Bros. Co., the Chicago Carnation Co. and the Albert T. Hey Co., all had large exhibits from this vicinity and carried off their full share of the prizes. Out of the nine entries made by the Chicago Carnation Co., five first prizes and four seconds were won. List of awards is quite lengthy. Schiller, the Florist, had some fine decorative work there and carried off several prizes. The Albert T. Hey Co., of Maywood also did some very creditable work.

Trade Jottings.

The A. Henderson Co. are as busy as bees these days and the amount of bulb stock that has come and gone during the past month is very large. Azaleas are expected in this week.

Blooming plants are now few. The varieties of early chrysanthemums suitable for cut flowers, as a rule, do not make a growth suitable for pot plants, but there are a few varieties that can be used in this way and they are now showing color. Cyclamen and primroses are coming in in very limited quantity, but are not far enough out to make good offerings for high-class trade. Celestial peppers and Jerusalem cherries (solanum) will very soon be ready for the counters, some few plants being already in the stores. The retail men are still depending on the old standbys, Boston and Whitmanii ferns, pandanus, dracaenas, etc., for background in window displays, varied by the autumn foliage now offered in great quantities.

The fall openings were unusually attractive, a profusion of color and a vast amount of material being used in windows, columns and overhead trimming. The cutting out of all cut flowers, except Beauties and a few chrysanthemums, is more noticeable than ever this year and less artistic skill is shown in the handling of the artificial materials. Vines, by the hundred, all of the same pattern, no matter how beautiful, do not lend themselves to graceful effects as naturally as the growing vines, but their lasting qualities more than make up for it. The producer of prepared or artificial stock seems to have gotten a little ahead of the one who handles it.

Personal.

H. Anderson has been added to the E. H. Hunt office force.

Edward Armstrong of A. Lange's

and Maggie Maloney were married at St. Joseph, Mich., Sept. 23rd.

Mrs. E. H. Horton of Bassett & Washburn's office force is ill at her home in Evanston.—C. M. Dickinson is still confined to his home.—G. H. Pieser continues very ill.

Visitor—M. S. Crozer, Cedar Rapids, Iowa.

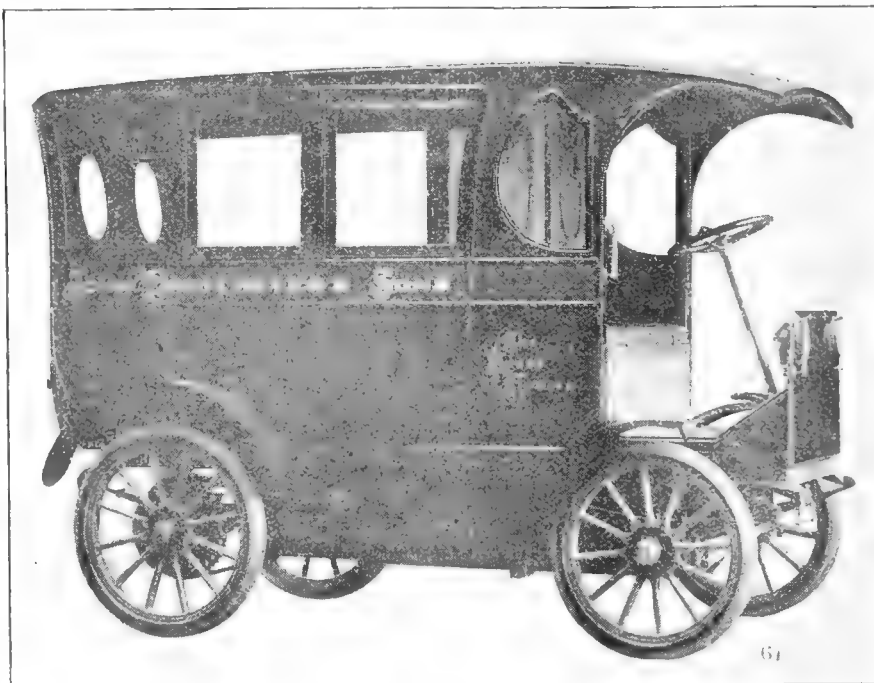
BOSTON & MAINE R. R. STATION PRIZES.

An order has been issued by Superintendent Lee of the Boston & Maine Railroad awarding cash prizes for flower displays at the stations of the company. The committee which examined these displays found that 256 stations had been competing for honors during the summer. Fourteen of the displays were found to be commendably well kept, but were awarded no prizes because they were cared for by the roadway department. Beverly

THE NEW BREITMEYER STORE.

An event of much interest to the craft was the opening of the new Breitmeyer store in Detroit last week. It is built on a lot 44 x 111 and is of the type of a Haarlem home, two show windows below and three large and one small window above. Four columns topped with jars holding pyramidal box extend above the roof and there are window boxes filled with box and ivy at each of the windows. The exterior finish is stucco in light green, with window and door frames and lettering in verde antique.

The store interior is in ivory-yellow, with verde antique ceiling and red tile floor. Out of this opens a conservatory, 44 feet wide, with arched roof and fountain. The refrigerator is 22 feet long and cooled artificially. The



AN ELECTRIC DELIVERY AUTO

was found to be very attractive; Montserrat quite handsome, especially with the posts of the train shed covered with Virginia creeper. Lyndonville is in fine trim; Hoosick Falls charming; Charlestown well kept; the entire premises at Newport, Vt., and at Lakeport have been vastly improved. Woodsville excels them all, with its flower beds surrounded with whitened stones, and laid out in excellent taste.

The awards in the first four classes are as follows:

First Class—Prize \$50. Nashua, Main street, N. H.

Second Class—Prize \$40. Concord, N. H.; Hill Crossing, Mass.

Third Class—Prize \$25. Brattle, Mass.; Pike, N. H.; Riverview, Mass.

Fourth Class—Prize \$20. Cliftondale, Mass.; Marlboro, Mass.; Merrimack, N. H.; Newport, N. H.; Waltham Highlands, Mass.; Webb, N. H.

There were 24 awards in the fifth class, prize \$15, 60 in the sixth class, prize \$10, and 113 in the seventh class, prize \$5.

wainscotting is of marble. All the appurtenances and adornment of the establishment are artistic, rich and appropriate. The plant tables and shelves are of slate. The lighting is by three chandeliers and groups of electric lights. The lights in the conservatory are made to produce a mellow moonlight effect.

As a fitting adjunct to such a handsome floral emporium the delivery auto, of which an illustration is here given, has been added to the Breitmeyer equipment. It is a "Detroit Electric," manufactured by the Anderson Electric Car Co., of Detroit, and its beauty and practicability for a high-class florist outfit is our reason for illustrating it here. The carrying space is ample and sliding doors connect the carrying space with the driver's seat. The electrical equipment consists of an Edison 60-cylinder A4 battery developing a speed of fourteen miles and running fifty miles on one charge. The car has a capacity of 1000 pounds.

PLANT for IMMEDIATE EFFECT BROAD LEAVED EVERGREENS

Rhododendron Maximum, 2-5 feet high

Kalmia latifolia, 1-3 ft. high

in carload lots and small quantities. We also have a fine stock of hardy hybrid **Rhododendrons**

Eastern Nurseries, Jamaica Plain, Mass.

HENRY S. DAWSON, Manager

Write for Prices

B. & A. SPECIALTIES

PALMS, BAY TREES, BOXWOOD AND HARDY HERBACEOUS
PLANTS, EVERGREENS, ROSES, RHODODENDRONS
VINES AND CLIMBERS, AUTUMN BULBS
AND ROOTS, CONIFERS, PINES.

Florists are always welcome visitors to our nurseries. We are only a few minutes from New York City; Carlton Hill Station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS

Nurserymen and Florists

Rutherford, N. J.

American Grown Roses

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis,
Evergreens.

Write for Trade List. **W. & T. SMITH CO.** Geneva, N. Y.

HARDY NORTHERN GROWN NURSERY STOCK

WE GROW EVERYTHING FOR PLANTING THE HOME GROUNDS
A GENERAL ASSORTMENT OF

Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc., Etc.

Our Illustrated and descriptive Catalogue for the asking

THE BAY STATE NURSERIES, North Abington, Mass.

Large Arborvitae, Hemlock and Norway Spruce.

THE FINEST IN THIS COUNTRY. Also other large Evergreens. Some large deciduous trees and large shrubs. Evergreens with balls. State sizes in writing for prices.

THE F. E. CONINE NURSERY CO., Stratford, Ct.

JOHN T. WITHERS, Inc.

Landscape Architect and Forester

1 Montgomery St., JERSEY CITY, N. J.

Tree Renovation by Expert Operators.
Stereopticon lectures on Horticulture and Arboriculture.

INCORPORATED.

Portland, Me.—National Orchard Co., capital \$250,000. President, Clarence E. Eaton.

Billings, Mont.—Basin Reservoir and Orchard Co., capital \$30,000. A. M. Crawford of Birdger, T. J. Bell and S. A. Crawford of Billings.

Nampa, Ida.—Nampa Orchard Company, capital stock \$40,000. Directors, Silas Wilson of Nampa, Andrew W. Hay, Sioux City, Iowa.

New York, N. Y.—The Knight & Struck Co., capital \$75,000. Incorporators, Thomas Knight, Rutherford, N. J.; George F. Struck, Orange, N. J.; Hibbard D. Darlington, Flushing, L. I., N. Y.

HOLLAND NURSERIES

Best Hardy Rhododendrons,
Azaleas, Conifers, Clematis,
H. P. Roses, Shrubs, and Herbaceous Plants.

P. OIJWERKERK, 316 Jane St., Woburn Heights, P. O. No. 1, Hoboken, N. J.

Box Trees

and other **EVERGREENS** for Tubs and Boxes

Our Prices are Always Right—Catalog Free

**THE NEW ENGLAND NURSERIES, Inc
BEDFORD, MASS.**

DIRECT IMPORTATIONS

Bay Trees, Kentias, Azaleas, Valley Pips, Roses, Rhododendrons, Boxwood, Manetti, Evergreens, Jap. Lilies, Raffia, etc., etc.
Nursery stock from France, Holland, England and Japan.

McHutchison & Co. 17 Murray St. New York, N. Y.

Nothing is more subject to mistake and disappointment than anticipated judgment concerning the easiness or difficulty of any undertaking; whether your opinion be formed from the performance of others, or from abstracted contemplation of the thing to be attempted. Whatever is done skilfully appears to be done with ease; and art, when it is once matured to habit, vanishes from observation.

Lily growers who have an idea that it's a snap to grow lilies properly will do well to consider what they really know about it. It is easy enough for those who already know because they have acquired that skill through careful study and experience. After you have acquired the same ability, of course, it is easy and habit will take the place of art; but don't think just because your neighbor knows that you do too. The far off fields always look green but when you reach them they are the same old brown that you find around home on a hot summer's day. The wise thing to do then is to be careful—be attentive, work, use your reasoning faculties and above all have good tools to work with. The principle tool in the lily business is a good bulb—it's an absolutely essential tool and no grower, no matter how good, can do without it. Horseshoe Brand Giganteum will eclipse anything on the market for productiveness and all around satisfactory service. Try them.



Ralph M. Ward & Co.

12 West Broadway

NEW YORK CITY

Not How Cheap
But How Good

THE NEW MINERAL FERTILIZER

Will produce

MORE
and
LARGER
FLOWERS

and of better
color than any
plant food ever
put on the mar-
ket.

Contains all of the
original elements
of virgin soil



Will
DESTROY
all
INSECT
LIFE

that preys on
plants under
glass.

It is a plant food
and not a stimulant

The above cut shows hollyhocks, nine feet six inches high, with more blossoms and of better color than ever produced by any other fertilizer.
Write for catalogue and testimonials.

THE NEW MINERAL FERTILIZER CO.

19 EXCHANGE PLACE,
BOSTON, MASS.

To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

Use any form you choose but buy it of

E. H. HUNT, 131 N. Wabash Avenue, Chicago

NEWS NOTES.

Knoxville, Tenn.—The Peters Nursery Co. was adjudged bankrupt on Sept. 28.

Milwaukee, Wis.—The Lake Geneva Horticultural Society have increased their capital stock from \$10,000 to \$20,000.

Alameda, Calif.—The Japanese Nursery, H. Hayashi & Co., proprietors, have moved from 1703 Park avenue to 73rd avenue and Thomas street, Elmhurst.

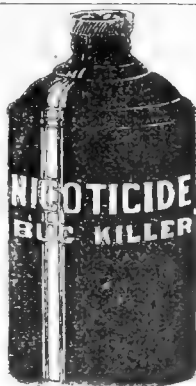
Molson, Wash.—A branch of the Wenatchee Valley Nursery Co. will be established here for the growing of young stock. The main nursery is at Wenatchee.

Boston, Mass.—The Beacon Flower Store, 2 Beacon street, has secured an opening into Houghton & Dutton's department store, thus giving patrons easy passage from one store to the other.

Elmira, N. Y. The greenhouses of H. N. Hoffman, Clinton and Hoffman streets, have been leased by Robert Klebert, who will carry on a florist's business there. Mr. Hoffman will devote his time to the nursery business and landscape gardening.

Grand Rapids, Mich.—C. M. Norton has given an option for the sale of his greenhouses and twelve acres of land on Plainfield avenue opposite the Kent Country Club grounds to J. Bakker, a market gardener, at \$8000 and it is likely the deal will go through.

Richmond, Va.—The four-story building occupied by the Richmond branch of the International Harvester Company was gutted by fire on Satur-



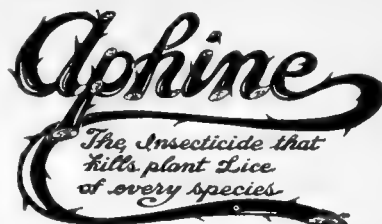
The Best
Bug Killer and
Bloom Saver

For PROOF
Write to

P. R. Palethorpe Co.
OWENSBORO, KY.



day last, causing a damage estimated at between \$250,000 and \$300,000. The fire was one of the most disastrous in the city's history. The fire spread rapidly through the brick structure at 1000 Gary street, the harvester plant, following a deafening explosion. The origin is unknown.



Just the remedy for the black aphids on chrysanthemums—red spider and thrips on carnations—green fly on roses—mealy bug on gardenias and crotons—scale on ferns, palms and other decorative stock.

\$2.50 per gallon, \$1.00 per quart.

FUNGINE

Fungine has no equal for carnation rust, rust on chrysanthemums and mildew on roses.

\$2.00 per gallon, 75c. per quart.

There is but one convincing way for you to become familiar with the merits of Aphine and Fungine, and that is—test them out yourself—it will prove worth your while.

MANUFACTURED BY

APHINE MANUFACTURING COMPANY
MADISON, N. J.

Cattle Manure in Bags Shredded or Pulverized



Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company
Union Stock Yards Chicago

Imp Soap Spray

Clean and odorless. Forms invisible films. Non-corrosive. Usual effective strength, one to thirty-two.

Single gallons, \$1.50
In barrels, \$1.00

Eastern Chemical Company
Pittsburg Street
BOSTON

Wilson Plant Oil & Fertilizer Company

150 Nassau Street, NEW YORK CITY
Horticultural Supplies

Write for our special Catalogue

Cocoanut Fiber Soil

Is being sought after by all growers. Cover your lawns this fall and next summer you can have a green one.

20th CENTURY PLANT FOOD CO.,
27 Ocean St. -Beverly, Mass.

Asparagus Plumosus Nanus Seed

We have just come into possession of a late crop of Greenhouse Grown Asparagus Plumosus Nanus Seed—which we secured at our own price, and offer same until sold as follows; and remember that “Sparagus Fern” plants are always scarce after Christmas.

Per 1000 Seeds \$1.25, 5000 Seeds \$6.00,
10,000 Seeds \$10.00

WE SELL BULBS TOO—CATALOGUE ON REQUEST

ARTHUR T. BODDINGTON

SEEDSMAN

342 West 14th Street, NEW YORK CITY

Seed Trade

Crop Conditions.

Crop conditions have now reached a stage where growers both in this country and Europe must show their hands, or in other words must furnish their customers with some sort of estimate of what they expect to deliver on contracts. We are rather inclined to sympathize with the grower who resists pressure requiring him to furnish estimates while his crops are in the field and not matured, and the grower who refuses to submit estimates until his crops are ready for shipment goes to the opposite extreme, and is liable to find himself with reduced patronage or perhaps none at all.

Peas and Beans.

Most of the pea and bean growers have now sent out their preliminary estimates and these fully bear out the rather pessimistic reports we have been furnishing to the readers of HORTICULTURE since midsummer. As a matter of fact, they are worse than we were willing to believe. Here are some of the figures representing the high and low of different growers, the average being about midway between: Alaskas, 25 to 50 per cent.; Extra Earlies, 8 to 40 per cent.; Alderman, Duke of Albany and Telephone, 12 to 30 per cent.; Ameer, 20 to 50 per cent.; Gems, 7 to 30 per cent.; Am. Wonders and Notts Excelsior are running neck and neck, 8

to 30 per cent.; White and Black Eye Marrowfats, 12 to 50 per cent.; Canada Field, 10 to 40 per cent.; Carters Daisy, 0 to 20 per cent.; Dwf. Champion, 10 to 30 per cent.; Everbearing and Yorkshire Hero, 10 to 35 per cent.; Gradus, 0 to 30 per cent.; Advancers, Horsford's Market Garden, 20 to 35 per cent.; Champion of England, 0 to 30 per cent.; Heroine, 20 to 35 per cent.; Sutton's Excelsior, 10 to 25 per cent.; Telegraph, 9 to 35 per cent.; Pride of Market, 0 to 50 per cent.; Imp'd Stratagems, 8 to 50 per cent.; Thos. Laxton, 9 to 25 per cent.; Admiral, 15 to 40 per cent. There are several less important varieties ranging from 0 to 40 per cent., and among these may be mentioned the Sugar or Edible Pod sorts.

Beans will not turn out so large a crop as predicted by many some weeks ago, and most of these bounding optimists now admit this, but it is quite in line with the crop news furnished by HORTICULTURE from last mid-summer. We predicted, however, that there would be no famine in Beans, and this still holds good. To begin with, too large a quantity of beans were carried over to permit of a famine. Three or four of the wax and two or three of the green pods are liable to be short enough to arouse interest, but while prices will be firm, there are no indications of any abnormal scarcity. Lima beans, both Pole and Dwarf, are now practically a full crop, barring damage by wet weather, and by the way, it should not be forgotten that no bean crops are secure until safely under cover.

It is now generally thought that

sweet corn has made a fair crop, though there are reports from the west that late varieties are short. We look for a firm market on seed corn, but no extravagant prices. The recent heavy frost which visited New England and which was so disastrous to tobacco, contrary to general expectations, did but little damage to corn, if we are correctly informed, and we have no reason to question the accuracy of our information.

Cucumber and Other Vine Seed.

Cucumber seed will be in good demand at fair prices, and New York state grown seed will be at a premium. The crop of Washington County, N. Y., will not be above 25 per cent. on the acreage. Had the severe frost which visited that section of New York state about the same time New England's vegetation received its quietus, held off two weeks, the cucumber seed crop of Washington County would have been above average. Owing to the heat and drouth of mid-summer the vines ceased to grow or set fruit, but when the rains came in August the vines started a fresh growth and new fruit was set in great quantities, and it was this that was killed by the early frost. The western crop, we hear, will be fair, but the carry over will be small and we believe in good prices and a firm market for cucumbers. Musk melons will be short, as we learn the Kansas crop will be largely a failure. Quite a number of varieties will be very hard to secure at any price, but we are unable to give specifications at this time. Squashes are in much better shape than a year

ago, from all reports, though there will be no surplus to depress legitimate market values.

Root Crops.

Garden beets and carrots are the shortest crop in 50 years, contract deliveries ranging from 0 to 10 and 15 per cent. Mangels are only a shade better and scarcely purchasable at any price. To give some idea of values we are reliably informed that a private stock of Crosbys Egyptian Beet was sold at \$1.25—300 lbs. Eclipse, Blood Turnip, Long Blood and other ordinary varieties have sold at 60c. Mangels have sold as high as 25c., while carrots are quoted from \$1.00 to \$1.75, and we have heard of some Danvers being sold at the latter figures.

Spinach, Parsley and Parsnips.

Spinach is short, particularly the Savoy leaved, and it is hard to secure it in quantities. It is now offered gingerly at 12 to 15c.

Parsley is very scarce and not procurable in quantities. Parsnip is also short, but what's the use—there anything in seeds this year that is a good crop? Of what avail is the rain and mild weather after the heat and drouth have ruined vegetation? Of what avail the sunshine and calm atmosphere after the tornado has wrecked and destroyed everything? It looks as if this old earth had to take pot luck with no particular care or attention from any source. Many good people act as if they thought this speck in the great universe was all that interested celestial attention. "What fools these mortals be."

Latest Market News.

Wholesale prices continue to soar. Beet seed is changing hands in 1000 pound lots at 5 cents a pound and will go to \$1. Carrot seed is being sold at \$2 a pound and there is nothing to indicate that this establishes the limit. It is liable to go much higher as the demand seems to far exceed the available supply.

Notes.

Mr. Jerome B. Rice has been ill enough to take to his bed for the past two weeks, but is now convalescent.

Peter Henderson, son of the late Alfred Henderson of New York, who is in his senior year at Yale, has been elected chairman for Class Day.

Tucson, Ala.—The Tucson Seed Co. has been incorporated, capital stock \$10,000. Incorporators Henry B. Langers, Thomas V. McCauley and Iva Langers.

Frank C. Woodruff, whose term as a member of the state senate of Connecticut is soon to expire, is to be given the honor of having his portrait as president of the senate and acting lieutenant-governor, hung in the state capitol at Hartford.

A wail is going up from the pea growers that they can't get farmers to grow pea seed for next year and one or two of the pea growers are threatening to sell their seed stock and quit. This will receive attention in our next "notes."

JAPANESE CALLAS

All Sound and Free from Disease

FIRST SIZE

\$6.00 per 100; per 1000 \$55.00

Wholesale Bulb Catalogue Mailed Free

HENRY F. MICHELL CO.

**518 MARKET ST.
PHILADELPHIA**

CATALOGUES RECEIVED.

American Blower Company, Detroit, Mich.—Circular of "Detroit" Return Trap.

Harlan P. Kelsey, Salem, Mass.—Rhododendrons, Azaleas and Other Hardy Native American Plants.

Rich Land Nurseries, Rochester, N. Y.—Fruit and Ornamental Trees, Bulbs and Peonies. A finely illustrated list.

E. Y. Teas & Son, Centreville, Ind.—Wholesale Price List Fall of 1911—Hardy shrubs and border plants at lowest trade figures.

Wagner Park Conservatories, Sidney, O.—Choice Plants for Fall Planting. A creditable companion for the many previous artistic productions in the catalogue line sent out by this firm.

Framingham Nurseries, South Framingham, Mass.—Autumn Trade Catalogue. This is a wholesale list of choice hardy planting material of especial value to the landscape worker and suburban gardener.

Vincent Lebreton, La Pyramide—Trelaze, France.—Wholesale Trade List for Autumn 1911 and Spring, 1912. This is a very complete list of nursery stock, for which McHutchison & Co., New York are sole American selling agents.

W. W. Barnard Co., Chicago, Ill.—Wholesale Price List of Bulbs for Fall Planting. Also Seeds, Christmas Decorations and Florists' Supplies. Here is a very useful publication and the florist who does not send for it makes a costly mistake in his business.

Hjalmar Hartmann & Co., Copenhagen, Denmark—Wholesale Price List for September, 1911. For cauliflowers, cabbages, turnips, mangolds and other root-crop seeds this firm is headquarters in the esteem of the trade. This catalogue is now in eighteenth year.

Bar Harbor, Me.—E. B. Dane has added to his property here by the purchase of more than 100 acres of land, known as Wildwood Farm. Upon this land Mr. Dane is having a set of farm buildings erected, together with greenhouses.

ONION SETS

HEADQUARTERS FOR THE EAST.

We carry large stocks of choice quality at both our Orange, Conn., and New York City houses. Full line all varieties of Garden and Flower Seeds. Trade List on application.

B. D. WOODRUFF & SONS,
82 Dey Street,
Orange, Conn. New York City.

BIRD MILLET

RED

YELLOW

2c. per lb.

This special price
for a short time
only. Samples
sent on request.

J. BOLGIANO & SON

Wholesale Seedsmen

Baltimore, Md.

FOR COLD FRAMES

STRAW MATS

6 x 6, - \$1.50, \$17.00 doz.

BURLAP MATS

6 1/4 x 6 1/4, \$1.20, \$14.00 doz.

WM. ELLIOTT & SONS,

42 Vesey St., New York

100,000 FORCING TOMATO PLANTS

in 2 1/2 inch pots at \$20.00 per M in the following varieties: Comet, Sutton's, Winter Beauty, Sutton's Best Of All, Sutton's Abundance, Sutton's A 1.

Cabbage and Lettuce Plants in unlimited quantities and best market varieties.

FOX HALL FARM, NORFOLK, VA.

COLDWELL LAWN MOWERS

Hand—Horse—Motor

Known All Over the World

Catalogue on Request.

NEWBURGH, N. Y.

ANNOUNCEMENT

We beg to announce to our friends and patrons that Mr. R. J. Irwin is no longer connected with us. S. S. SKIDELSKY & CO. having on this date—October 2nd, 1911—succeeded the concern of Skidelsky & Irwin Co.

We take this opportunity to thank our friends for their favors in the past and to assure them that it shall be our aim to merit their confidence as well as their patronage also in the future.

Respectfully,

S. S. SKIDELSKY & CO.

1215 Betz Building, Phila., Pa.

PEAS, BEANS, RADISH | Write for Prices
and all Garden Seeds

LEONARD SEED CO.

236-238 W. KINZIE STREET, CHICAGO

Wholesale
SEED GROWERS AND DEALERS



Wholesale Growers of
Onion, Lettuce, Sweet Peas
and other California Specialties

C. C. MORSE & CO.

48 Jackson St. SAN FRANCISCO, CAL.

SEEDS, PLANTS, BULBS

All seasonable kinds of best
quality

Special prices on large lots

JAMES VICK'S SONS,

Seedsman

ROCHESTER N. Y.

COMPLETE STOCK FRENCH AND DUTCH BULBS

Price list free on request

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

CHOICE BULBS

In great variety for present
planting—in-doors and out

THOMAS J. GREY CO.

32 South Market Street, Boston, Mass.

CAULIFLOWER CABBAGE

MANGOLD, SWEDE, TURNIP

LILY OF THE VALLEY PIPS

HJALMAR HARTMANN & CO.

COPENHAGEN, DENMARK.

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...THE...

J. C. Robinson Seed Co.

Waterloo, Neb.

Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin Seed; Sugar, Flint and Field Seed Corns.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

ONION SEED

We have a choice lot of new crop
Silver Skin or Portugal, also other
varieties. Write for prices.

SCHILDER BROS.

CHILLICOTHE . . . OHIO

GIANT

English Cyclamen Seed, best strain, \$5.00
per 100. Pansy Seed, best strain, \$5.00
per oz. Mignonette, Giant, 2 per
lb. 1/2 oz. \$1.00.

S. S. SKIDELSKY & CO.

1215 Betz Bldg. Philadelphia

PRINTING

Fruitmen, Horticultur-
ists, and Poultrymen
should get their print-
ing done by specialists. Write for prices
to THE REX CO., Harrisburg, Pa.

Farquhar's Flower Seeds for

The Florist

Write for our Wholesale
Catalogue

R. & J. FARQUHAR & CO.

Boston, Mass.

Established 1820

**Thorburn's
Bulbs**

Wholesale Catalogue

NOW READY

Send for a Copy

J. M. THORBURN & CO.

33 Barclay Street

NEW YORK

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

Sphagnum Moss

In Burlap Bales: per bale \$1.00, 6 bales
for \$5.00, 10 bales for \$8.00

Larger Lots at Lower Prices.

The W. W. Barnard Co.

108-110 W. Kinzie St., CHICAGO

In ordering goods please add "I saw
it in HORTICULTURE."

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed
only to those who plant for profit.

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Aldine 880. Aldine 881. Aldine 882.

SAMUEL MURRAY

Kansas City, Mo.

913 Grand Ave.

All Orders Given Prompt and Careful Attention



WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of
TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP

96 Yonge St., - - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE
Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.

Members Florists' Telegraph Assn.

ALBANY, N. Y.

EYRES
Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

NEW FLOWER STORES.

Haverhill, Mass.—H. H. Proctor,
White street.

New York, N. Y.—Hauschild Bros.,
220 W. 42nd street.

Cambridge, Mass.—John H. F. Mac-
donald, 5 Brattle Square.

Los Angeles, Calif.—The Orchid,
Jaeger and Wolfskill, proprietors.

Toronto, Ont., Can.—Mr. Hoath,
Spadina avenue and College street.

Washington, D. C.—Joseph M. Har-
dy, Fifteenth street near L street, N. W.

Philadelphia, Pa. — The London
Flower Shop, Eighteenth and Chest-
nut streets.

Haverhill, Mass. — Nathaniel W.
Hannaford, of Portland, Me., and Wal-
do I. Chase, of Grafton, will open a
new flower store at 57 White street

STEAMER DEPARTURES

American.

St. Paul, N. Y.-Southampton, Oct. 14
New York, N. Y.-Southampton, Oct. 21

Anchor.

Cameronia, N. Y.-Glasgow, Oct. 21

Atlantic Transport.

Minnewaska, N. Y.-London, Oct. 21

Cunard.

Franconia, Boston-Liverpool, Oct. 17

Lusitania, N. Y.-Liverpool, Oct. 18

Caronia, N. Y.-Liverpool, Oct. 21

Campania, N. Y.-Liverpool, Oct. 25

Pannonia, N. Y.-Mediterranean, Oct. 26

Holland-America.

Rotterdam, N. Y.-Rotterdam, Oct. 17

Ryndam, N. Y.-Rotterdam, Oct. 21

Hamburg-American.

Pennsylvania, N. Y.-Hamburg, Oct. 21

Leyland.

Winifredia, Boston-Liverpool, Oct. 21

North German Lloyd.

Kronp. Cecilie, N. Y.-Bremen, Oct. 17

G. Washington, N. Y.-Bremen, Oct. 19

Berlin, N. Y.-Mediterranean, Oct. 21

K.W.dertissse, N. Y.-Bremen, Oct. 24

Red Star.

Finland, N. Y.-Antwerp, Oct. 21

White Star.

Baltic, N. Y.-Liverpool, Oct. 19

Olympic, N. Y.-Southampton, Oct. 21

Romanic, Boston-Mediterranean, Oct. 21

Zeeland, Boston-Liverpool, Oct. 24

about Oct. 25, under the name of Han-
naford & Chase.

Temple, Texas.—The Temple Seed
and Floral Co. has opened a store at
Calhoun avenue and Eighth street. J.
R. Boyd, of Cleburne, Texas, in com-
pany with his nephew, are the prop-
rietors. They have just erected a
greenhouse.

BOSTON MARKET NOTES.

Some fine roses are being sent to
Boston by H. W. Field of Northamp-
ton, Mass. Mr. Field's business has
developed wonderfully from a very
small start a few years ago.

W. C. Ward of East Milton, Mass.,
has a blue pansy which originated with
him that is considered ahead of any
other blue grown. Mr. Ward will have
six houses of pansies when he finishes
planting.

Boxwoods in all sizes are seasonable
stock. See MacNiff's advertisement of
next Tuesday's auction sale.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any
part of the United States, Canada, and
all principal cities of Europe. Orders
transferred or intrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill

Cable Address, ALEXCONNELL

NEW YORK

Orders for Steamer, Theatre, Hotel, or
Residence Carefully Filled.

Wm. H. LONG

412 Columbus Ave.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspon-
dents in all the large cities of Europe and the British
Colonies. Telegraph and Cable address, Dardspier

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points,
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

BUFFALO

S. A. ANDERSON

440 MAIN STREET

Special Deliveries Niagara Falls
and Lockport

THE ROSERY

76 MAIDEN LANE

ALBANY, N. Y.

FLOWER DELIVERIES FOR ALBANY
AND VICINITY

"THE HOME OF FLOWERS"

The largest cut flower store in America.
Orders for the TWIN CITIES and for all
Northwestern points given prompt at-
tention.

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

OUR SILENT SALESMAN

The Most Useful Ornament Ever Placed
on a Florists' Desk or Work Table

He Travels and Works for the Florists' Supply House of America but he is a Business Getter and a Money Maker for You.

Do you want to lead in the business successes of the coming season? Do you wish to set the pace for your rivals? Do you aspire to enlarge your field and your facilities?

Our Silent Salesman will tell you how to do it. He has cost us lots of money, months of thought and work and now he belongs to you. We are proud of him and if you will send your address we shall be pleased to forward him to you postpaid. Write now.

H. BAYERSDORFER & CO.

1129 Arch Street,

PHILADELPHIA, PA.

BOSTON, MASS.



"Penn. The Telegraph Florist"
37-43 BROMFIELD STREET

NEW ENGLAND
FLOWER DELIVERIES

Send flower orders for delivery in Boston
and all New England points to

THOS. F. GALVIN
124 Tremont St., Boston

TRANSFER

Your orders for flower or plant deliv-
ery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston

BOSTON'S BEST
In Quality and Design

Can be relied upon when you transfer you
retail orders to

EDWARD MACMULKIN
194 Boylston Street, Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall
Schools. **TAILBY, Wellesley, Mass.**
Tel. Wellesley 44-1 and 2. Night 44-3

A MODEL STORE.

Twenty-five hundred cards were sent out announcing the opening of the new retail store under the name of Adams & Robertson, at Bellevue place and Rush street, Chicago, on Oct. 2d. The place is ideal in location, and fitted up in good taste, everywhere, harmony and soft coloring prevailing. Light blue and white is the color scheme in the walls and floors, and the flower boxes are of the same. A small office, mapping room and cashier's desk are at the rear of the large room, and a large workroom is in the basement. Both members of the firm are former employes of the E. Wienhoeber Co., and are well known to the trade, who wish them success in their new enterprise.

NEWS NOTES.

Northampton, Mass.—M. B. Kingman has reopened his flower store in Hunt's block.

Stamford, Conn.—Alexander Mead & Son, florists, moved into their new building on Greenwich avenue Sept. 30.

Boston—H. E. Hartford and Thos. A. McDonough have started in the florists' greens business at 70 Pemberton Sq.

Ansonia, Conn.—The Ansonia Floral Co., T. J. Mooney, proprietor, has moved to 158 Main street from their old location at 124 where they have been located for several years.

Toronto, Ont., Can.—Fire in a shed in the rear of the florist store of S. A. Frost on College street did \$200 damage. The business of Mrs. Thomas Plumb, North Yonge street, has been

purchased by J. S. Simmons who will run it in connection with his store at 266 Yonge street.

New York, N. Y.—The Manhattan Plant and Flower Company has been incorporated with A. Hanig, president, and Hugh Nelson, secretary and treasurer. The company has acquired spacious accommodations on the first floor of the Coogan Building.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by
Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Albany, N. Y.—The Rosery, 76 Maiden Lane.

Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edw. MacMulkin, 194 Boylston St.

Boston—Penn. the Florist, 37-43 Bromfield St.

Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.

Buffalo, N. Y.—Palmer's 304 Main St.
Buffalo, N. Y.—S. A. Anderson, 440 Main St.

Chicago—Williams J. Smyth, Michigan Ave. and 31st St.

Denver, Col.—Park Floral Co., 1643 B'way
Detroit, Mich.—J. Breitmeier's Sons, Main and Gratiot Aves.

Kansas City, Mo.—Samuel Murray, 912 Grand Ave.

Kansas City, Mo.—Win. L. Rock Flower Co., 1116 Walnut St.

Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.

New York—David Clarke's Sons, 2139 2141 Broadway

New York—Alex. McNeill, 611 5th Ave.

New York—W. H. Long, 112 Columbus Ave.

New York—Young & Nugent, 42 W. 28th

New York—Dards, N. E. cor 11th St and Madison Ave.

St. Paul, Minn.—Holm & Olson.

Toronto, Can.—J. H. Dunlop, 96 Yonge St.

Washington, D. C.—Gude Bros., 1214 F St.

Wellesley, Mass.—Tailby.

BEAUTIES**\$1.00 to \$3.00 per dozen**

The top grades are more plentiful than the short and medium—quality never better. If you buy our Beauties, you get a quality such as you will say yourself you never got anywhere no matter how high the price.

Business Hours, 7 A. M. to 8 P. M.**The Leo Niessen Co.****WHOLESALE FLORISTS****N. W. Corner
12th and Race Sts., PHILADELPHIA****To Cut Flower Growers and
Retail Florists****IF YOU**

want to find a market for your product

want a regular or special supply of the product of the best growers

**Consult the Advertisements on
these Wholesale Flower Pages****The Advertisers Represented Here are the Leading
Concerns in the Wholesale Flower Trade****THE BEST LETTERS**

FOR **R** THOSE
FLORIST'S MADE
USE BY THE

Boston Florist Letter Co

66 PEARL ST., BOSTON

N. F. McCarthy, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock.

WELCH BROS.**AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED****226 Devonshire Street,****Boston, Mass****WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100
TO DEALERS ONLY**

ROSES	BOSTON Oct. 13		CHICAGO Oct. 10		ST. LOUIS Oct. 10		PHILA. Oct. 10	
Ara. Beauty, Fancy and Special...	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00
" Extra.....	10.00	to 15.00	15.00	to 20.00	12.50	to 15.00	12.00	to 15.00
" No. 1.....	6.00	to 10.00	10.00	to 12.00	8.00	to 10.00	8.00	to 10.00
" Lower grades.....	2.00	to 4.00	4.00	to 8.00	4.00	to 6.00	5.00	to 6.00
Richmond, Chateauf, Fancy & Spl..	3.00	to 5.00	6.00	to 8.00	5.00	to 6.00	6.00	to 8.00
" Lower grades.....	.50	to 2.00	3.00	to 5.00	2.00	to 4.00	3.00	to 4.00
Killarney, Maryland, Fan. & Spl..	4.00	to 8.00	6.00	to 8.00	4.00	to 6.00	5.00	to 6.00
" Low. grades.....	.50	to 2.00	3.00	to 5.00	2.00	to 3.00	2.00	to 4.00
Bride, 'Maid,.....	.50	to 6.00	3.00	to 6.00	4.00	to 5.00	3.00	to 6.00
Kaiserin, Carnot, Taft.....	2.00	to 8.00	3.00	to 6.00	4.00	to 5.00	3.00	to 8.00
CARNATIONS, First Quality...	2.00	to 4.00	.....	to 2.00	2.00	to 3.00	3.00	to 4.00
" Ordinary.....	1.50	to 2.00	1.00	to 1.50	1.00	to 1.50	1.50	to 2.00
MISCELLANEOUS								
Cattleyas.....	40.00	to 50.00	40.00	to 50.00	50.00	to 60.00	35.00	to 50.00
Lilies, Longiflorum.....	10.00	to 12.00	8.00	to 10.00	10.00	to 12.50	.....	to 12.50
Lily of the Valley.....	2.00	to 3.00	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Chrysanthemums.....	12.50	to 10.00	12.00	to 25.00	15.00	to 25.00	15.00	to 25.00
Gladioli.....	1.00	to 2.00	2.00	to 3.00	.....	to 2.00	2.00	to 4.00
Asters.....	.25	to 1.50	1.00	to 2.00	.....	to 1.00	.50	to 2.00
Violets.....	.25	to .50	.....	to 2.00	.25	to .35	.....	to 2.00
Dahlias.....	.....	to 1.00	.....	to 2.00	2.00	to 8.00	1.50	to 4.00
Sweet Peas.....	.....	to 1.00	.50	to 1.00	.....	to 1.00	.....	to .50
Gardenias.....	8.00	to 10.00	.....	to 1.00	.....	to 1.00	15.00	to 25.00
Adiantum.....	1.00	to 1.50	.....	to 1.00	1.00	to 1.25	1.00	to 1.50
Smilax.....	12.00	to 15.00	12.00	to 18.00	12.50	to 15.00	12.50	to 15.00
Asparagus Plumosus, strings (100)	16.00	to 50.00	50.00	to 60.00	35.00	to 50.00	35.00	to 50.00
" " & Spreng. (100 bchs)	16.00	to 35.00	30.00	to 50.00	20.00	to 30.00	25.00	to 50.00

J.A. BUDLONG

82-84-86 E. Randolph St., Chicago
**OUR STOCK IS A-1 AND IT IS QUALITY NOT
PRICES THAT TALKS**

Chicago Flower Growers' Association**Wholesale Growers of Cut Flowers and Plants****176 N. MICHIGAN AVE.,****BETWEEN RANDOLPH
AND LAKE STREETS, CHICAGO**

HENRY M. ROBINSON & CO.
**15 Province St., 9 Chapman Pl.,
BOSTON, MASS.**

Everything in Flowers
Complete Stock of Florists' Greens,
Three Floors of Florists' Supplies.

TRY MY PRICES.
J. JANSKY, Tel. Main 3652-1, Boston, Mass.

Manufacturer of Florist Wire Designs,
All kinds of Florist Supplies.
New crop Dagger and Fancy Ferns, \$1.75
per 1000. Green and Bronze Galax, 90c. per
1000; by the case, \$7.50. Boxwood, 50-lb.
case, \$7.50; by the lb., 25c. Laurel Wreaths,
10-inch, \$1.75 per doz.; 12-inch, \$2.25 per
doz.; 14-inch, \$3.00 per doz.; 18-inch, \$4.50
per doz. Laurel Trimming, 4 and 5c. per yd.

PETER REINBERG
WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

George B. Hart**WHOLESALE
FLORIST**

24 Stone St., Rochester, N.Y.

The J. M. McCullough's Sons Co.**WHOLESALE COMMISSION FLORISTS****CONSIGNMENTS SOLICITED**

Special attention to shipping orders. Job-
bers of Florists' Supplies, Seeds and Bulbs.
Price list on application.

Phone Main 584. 316 Walnut St., Cincinnati

Flower Market Reports

BOSTON The demand with the wholesaler has been quite brisk the past week. Stock is not over plentiful. Only a limited number of early varieties of chrysanthemums are in flower. The Golden Glow, October Frost, Polly Rose and Rievere are the list thus far. Carnations are high in price considering the poor grade of flowers obtainable. Violets, single, are getting better quality and increasing in supply. Lily of the valley in excellent quality and selling well. Prices on all goods are about the same as last week. The newer varieties of roses are called for and selling at fair prices, while the Bride, 'Maid and Richmond are moving slowly.

Recent frosts have practically cut off the outdoor stock and the effect is noticeable on indoor, the demand growing steadily for carnations, roses and other flowers. Chrysanthemums are coming in more plentifully each day, though only Golden Glow, October Frost and Smith's Advance have been had, but a few days of bright weather will bring on Pacific, Polly Rose and Halliday. Roses shortened somewhat in supply, and selected stock was not over-abundant, there being too many Richmonds of all grades, with light demand for them. Carnations are in good supply, especially Enchantress and Beacon. Some good White Perfection are seen and have had a good call. Dahlias are among the daily receipts and so far have taken well. Lilies are in fair supply, also lily of the valley and violets.

CHICAGO Even the most pessimistic now admit that there is a stir in the flower market. Wholesalers are selling pretty close to the end of the supply day by day and even the retailer who has formed the "no business" habit now smiles occasionally and owns up to better times. Weddings are largely responsible for this state of affairs, one retailer reporting eleven on Saturday and four on Sunday, all of which called for the elaborate use of flowers. Another has two out-of-town decorations in the near future, both chrysanthemum weddings calling for hundreds of those favorites with brides. The coming in of chrysanthemums seems to have marked the change from summer to fall and a welcome change it is. Violets can hardly be said to be in yet as the sales are so slow. Doubles in most instances remained unsold but singles sold for 75c. last week, few wholesalers carrying them. Cosmos are much in evidence and sell fairly well. Asters, gladioli and other evidences of summer are still here and sell better than a few weeks ago. Roses of all kinds are plentiful and no fault can be found with the quality, the occasional sunshine helping out wonderfully. Carnations are unusually fine for the season; fine long stems and large full blooms are seen in many places. There is an abundance of green of all kinds.

Supply has been rather scarce for a few days, during which the demand was very brisk. Out-of-door flowers have been ruined by excessive-



Just the Thing for
Chrysanthemum Season

FLORISTS' GALVANIZED BUCKETS

Hand made; of the best galvanized iron; far more durable, and will wear four times as long as any other vase on the market; more easily handled and when not in use can be stacked, taking up very little room. Do not break, do not rot, do not chip, do not wear out. And, best of all: flowers keep longer.

No.	Width.	Depth.	Per Doz.	Per 100
0	6 in.	5½ in.	\$3.00	\$20.00
1	7 in.	6½ in.	3.50	25.00
2	8 in.	7½ in.	4.00	30.00
3	10 in.	9½ in.	4.50	35.00
4	6 in.	10 in.	4.00	30.00
5	7 in.	12 in.	6.00	40.00
6	9 in.	14 in.	10.00	65.00
7	10 in.	18 in.	15.00	105.00
8	11 in.	21½ in.	15.00	130.00

Inside measurement.

Sphagnum

Your opportunity to buy cheap.

Per 7 bbl. bale, \$2.25; ten bale lots at \$2.00 each.

Per 10 bbl. bale, \$3.50; ten bale lots at \$3.15 each.

Each bale covered with burlap, thus insuring cleanliness around the store and no waste. Get in on this.

Distributing Agents for the great new
Roses for 1912

Double White Killarney (Budlong Strain) and Killarney Queen

Grafted, \$250.00 per 1000. Own Root, \$200.00 per 1000.

S. S. PENNOCK-MEEHAN CO.

THE WHOLESALE PHILADELPHIA
FLORISTS OF

NEW YORK
109 W. 28th Street

PHILADELPHIA
1608-1620 Ludlow Street

WASHINGTON
1212 New York Ave.

WHOLESALE FLOWER MARKETS.—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	CINCINNATI Oct. 3	DETROIT Oct. 10	BUFFALO Oct. 10	PITTSBURG Oct. 10
Am. Beauty, Fan. and Sp.	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00
Extra	15.00 to 20.00	15.00 to 20.00	15.00 to 20.00	15.00 to 20.00
No. 1	10.00 to 15.00	10.00 to 15.00	10.00 to 15.00	10.00 to 15.00
Lower grade	4.00 to 10.00	4.00 to 10.00	4.00 to 10.00	4.00 to 10.00
Richmond, Chateaux, Fan. & Spl.	6.00 to 8.00	6.00 to 8.00	6.00 to 8.00	6.00 to 8.00
Lower Grades	3.00 to 5.00	3.00 to 5.00	3.00 to 5.00	3.00 to 5.00
Killarney, Maryland, Fan. & Spl.	6.00 to 10.00	6.00 to 10.00	6.00 to 10.00	6.00 to 10.00
Low. Grades	2.00 to 5.00	2.00 to 5.00	2.00 to 5.00	2.00 to 5.00
Bride, 'Maid,	3.00 to 6.00	3.00 to 6.00	3.00 to 6.00	3.00 to 6.00
Kaiserin, Carnot, Taft	4.00 to 8.00	4.00 to 8.00	4.00 to 8.00	4.00 to 8.00
CARNATIONS, First Quality	1.50 to 2.00	1.50 to 2.00	1.50 to 2.00	1.50 to 2.00
Ordinary .....	.75 to 1.00	.75 to 1.00	.75 to 1.00	.75 to 1.00
MISCELLANEOUS				
Cattleyas	30.00 to 50.00	35.00 to 50.00	30.00 to 50.00	30.00 to 50.00
Lilies, Longiflorum	10.00 to 12.50	10.00 to 12.50	10.00 to 12.50	10.00 to 12.50
Lily of the Valley	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Chrysanthemums	12.00 to 25.00	12.00 to 25.00	12.00 to 25.00	12.00 to 25.00
Gladioli	2.00 to 5.00	2.00 to 5.00	2.00 to 5.00	2.00 to 5.00
Asters	1.00 to 3.00	1.00 to 3.00	1.00 to 3.00	1.00 to 3.00
Violets	1.00 to 3.00	1.00 to 3.00	1.00 to 3.00	1.00 to 3.00
Dahlias	1.00 to 3.00	1.00 to 3.00	1.00 to 3.00	1.00 to 3.00
Sweet Peas	1.00 to 3.00	1.00 to 3.00	1.00 to 3.00	1.00 to 3.00
Gardenias	1.00 to 3.00	1.00 to 3.00	1.00 to 3.00	1.00 to 3.00
Adiantum	1.00 to 3.00	1.00 to 3.00	1.00 to 3.00	1.00 to 3.00
Smilax	1.00 to 3.00	1.00 to 3.00	1.00 to 3.00	1.00 to 3.00
Asparagus Plumosus, strings (too	40.00 to 50.00	40.00 to 50.00	40.00 to 50.00	40.00 to 50.00
" " & Spreng. (too bchs.)	25.00 to 35.00	25.00 to 35.00	25.00 to 35.00	25.00 to 35.00

ly heavy and frequent rains. Carnations are coming in more freely, but quality is rather low. The same may be said of single and double violets.

NEW YORK The upward turn in market values which we noted last week has moderated somewhat and with a series of bright warm days crops are

being pushed along rapidly and outdoor flowers have taken on renewed vigor. The receipts of dahlias are particularly heavy. Carnations are still lagging in coming forward and are still selling at the enhanced prices of last week. Another very ambitious

Continued on page 545

M. C. FORD

Successor to

FORD BROTHERS

121 West 28th Street NEW YORK

FINE ROSES, FANCY GARNATIONS

A Full Line of All CUT FLOWERS.

Telephone, 3870 or 3871 Madison Square

H. E. FROMENTWholesale Commission Florist,
Choice Cut Flowers,

57 West 28th St. :: NEW YORK

Telephones: 2200, 2201, Madison Square.

Alfred H. LangjahrAll choice cut-flowers in season. Send
for quotations. Correspondence with
shippers of first-class stock invited.

130 West 28th Street, New York

Telephones 4626-4627 Madison Square.

Edward C. Horan**Wholesale Florist**

55 WEST 28th ST.

Tel. 1462 Madison Square New York

D. Y. Mellis, Pres. Robert G. Wilson, Treas.

**Greater New York
Florists' Association, Inc.**

Now Open for Cut Flower Consignments.

162 Livingston Street, BROOKLYN, N. Y.

Geo. W. Crawbuck Telephone Connection
Manager 3642-43 Main**Moore, Hentz & Nash**

Wholesale Commission Florists

55 and 57 West 26th Street

Telephone No. 758
Madison Square New York**WM. P. FORD****Wholesale Florist**

45 W. 28 Street, NEW YORK

Call and Inspect the Best Establishment
in the Wholesale Flower District**A. MOLTZ & CO.**

Wholesale Florists

A. MOLTZ MAURICE L. GLASS

Coogan Building, 55-57 West 26th Street

NEW YORK CITY

Telephone 2921 Madison Square Open from 5 a. m. to 6 p. m.

THE KERVAN COMPANYFresh Cut Evergreens, Mosses
Southern Smilax, Gaiax and Leucothoe
Preserved and Fresh Cut
Cycas and Palmetto.

Tel. 1519 Mad. Sq. 113 W. 28 St., New York.

REED & KELLER

122 West 25th St., New York

Florists' Supplies

We manufacture our

Metal Designs, Baskets, Wire Work & Novelties

and are dealers in

Decorative Glassware, Greens and Florists' Requisites

P. J. SMITH

Successor to JOHN I. RAYNOR

Wholesale Commission FloristA full line of Choice Cut Flower Stock for all purposes
by the 100, 1000 or 10,000SELLING AGENT FOR
LARGEST GROWERS
The HOME OF THE LILY

TEL. 1998 MADISON SQUARE

49 West 28th St., New York City

Walter F. Sheridan

Wholesale Commission Dealer in

CHOICE CUT FLOWERS

133 West 28th Street, New York

Telephone—3532-3533 Madison Square

HEADQUARTERS FOR NOVELTIES**ORCHIDS A SPECIALTY**

THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND

GARDENIAS, DAISIES, ROSES AND GARNATIONS

**JAMES McMANUS, Tel. 759
Mad. Sq. 55 W. 28th St., New York****NEW YORK QUOTATIONS PER 100. To Dealers Only****ROSES AND GARNATIONS**

	Last Half of Week ending Oct. 7 1911		First Half of Week beginning Oct. 9 1911	
American Beauty, Fancy and Special.....	15.00	to 25.00	15.00	to 25.00
" " Extra.....	12.00	to 15.00	12.00	to 15.00
" " No. 1.....	6.00	to 12.00	6.00	to 12.00
" " Lower Grades.....	1.00	to 4.00	2.00	to 4.00
Richmond, Chateaux, Extra and Special.....	4.00	to 8.00	2.10	to 6.00
" " Lower Grades.....	.50	to 2.00	1.00	to 2.00
Killarney, My Maryland, Extra and Special.....	6.00	to 10.00	6.00	to 8.00
" " Lower Grades.....	1.00	to 2.00	1.00	to 2.00
Bride, Maid.....	.50	to 4.00	1.00	to 4.00
Kaiserin, Carnot, Taft.....	2.00	to 8.00	1.00	to 8.00
Garnations, First Quality.....	2.00	to 3.00	2.00	to 3.00
" " Ordinary.....	1.00	to 1.50	1.00	to 1.50

BADGLEY, RIEDEL & MEYER, Inc.**WHOLESALE FLORISTS**

34 West 28th Street, New York

Telephones { 1664
1665 } Madison Square

CONSIGNMENTS SOLICITED

SIEBRECHT & SIEBRECHT

Wholesale Florists

136 W. 28th St., New York City

Phone 8346 Madison Square
CONSIGNMENTS SOLICITED

Frank H. Traendly

Charles Schenck

TRAENDLY & SCHENCK

Wholesale Florists

131 West 28th St., New York

Telephones: 798 and 799 Madison Square

Consignments Solicited

CENTRALLY LOCATED, THE HUB OF THE
FLOWER MARKET SECTION**CHARLES MILLANG**

Wholesale Florist

55 & 57 W. 26 St., NEW YORK

Telephone 7067 Madison

A. L. YOUNG & CO.

WHOLESALE FLORISTS

Choice Cut Flowers

CONSIGNMENTS SOLICITED

54 West 28th St., NEW YORK

Prompt Payments. Telephone 3559 Madison Sq

FRANK MILLANG

Wholesale Florist

55-57 West 26th St., NEW YORK

Shipments, any quantity, Whole-
sale Market Rates.**ROBERT J. DYSART**

Public Accountant and Auditor

Simple methods of correct accounting
especially adapted for florists' use.

Books Balanced and Adjusted

Merchants Bank Building

28 STATE ST. - BOSTON

Telephone, Main 58.

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000... \$1.75: 50,000... \$7.50. Sample free
For sale by dealers



Flower Market Reports.

(Continued from page 541)

item is the longiflorum lily which has suddenly shortened up in supply and buyers have to pay nearly double the figures prevailing of late. Of cattleyas, the growers whose houses came in early have passed the heaviest stage of the crop, but there are other growers who are only beginning to cut labiatus and the outlook is for an abundance for some weeks to come. Oncidiums are beginning to assert themselves and Vanda coerulea is also in evidence. Gardenias are very scarce and violets are plentiful of the summery temperatures of the past few days.

A combination of cool, clear, crisp weather and an unusually good crop of October weddings, had an excellent effect on the local situation, and made trading quite lively during the past week. Both local and shipping demands were quite active and there was no really first-class material but found a market. The dahlias are still fine and immense quantities of these were disposed of for decorative work. They are more than ever a great flower for fall work and have taken a distinctly forward stride this year. There have been two slight frosts already but not enough to hurt. In a week or so, however, the chrysanthemum will be so strong that probably it will be just as well for all concerned if the dahlias are over. In addition to the chrysanthemums reported last week, namely, Golden Glow, Polly Rose and Montmore, this week sees the advent of Monrovia, Glory Pacific, Smith's Advance and Unaka. All are fine stock and meet with ready sale. The market on American Beauty roses eased up on larger receipts. Supplies were especially strong on the long stemmed grades. Killarney is especially good and one of the most satisfactory varieties. Mrs. Ward leads in carnations. All carnations have improved in color and keeping qualities. Gardenias scarce and below par as to quality. The demand for orchids has improved considerably with receipts abundant and of fine quality. Violets are in but they are not much to speak of, especially the doubles. The latter are very poor.

The last week was not so good as expected.

The cut flowers demand was considered dull. The markets were well supplied with some excellent

MICHIGAN CUT FLOWER EXCHANGE, Inc.

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Hardy Fancy Fern Our Specialty

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Tel. 4591 Main

WILLIAM F. KASTING Co.

Wholesale Florists

383-387 ELLICOTT ST. - - BUFFALO, N. Y.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Oct 7 1911		First Half of Week beginning Oct 9 1911	
Cattleyas.....	25.00	to 35.00	60	to 50.00
Lilies, Longiflorum.....	4.00	to 8.00	1.00	to 12.00
Lily of the Valley.....	1.00	to 2.00	1.00	to 2.00
Chrysanthemums.....	6.00	to 17.00	6.00	to 16.00
Asters.....	.50	to 1.00	.50	to 1.00
Daisies.....	.10	to .25	.10	to .25
Dahlias.....	.....	.....	.....	.....
Violets.....	.15	to .40	.....	to .40
Gardenias.....	10.00	to 25.00	10.00	to 25.00
Adiantum.....	.50	to .75	.50	to .75
Smilax.....	6.00	to 8.00	6.00	to 8.00
Asparagus Plumosus, strings.....	.....	to 35.00	.....	to 35.00
" " & Sprea. (100 bchs).....	10.00	to 20.00	10.00	to 20.00

stock from both local and outside growers. A good frost should clean up the outside truck that has been coming in quite heavy. The shipments during the week of roses were large at all the markets and Beauties sold cheap. Chrysanthemums are becoming quite plentiful. Dahlias and cosmos are still with us.

Very little change took place in the market here during the past week, which still remains dull and uncertain. Carnations soared in price, with choice stock bringing \$2.00 per 100, with the demand in excess of the supply. At least a part of the shortage is due to the fact that some of the dealers are sending their stock to Boston and getting \$3.00 per 100. Roses of many varieties are very flush, bringing from \$10.00 to \$12.00. There are plenty of violets on the market, but the demand is slow at 50 to 75 cents per 100. Chrysanthemums are coming in slow, and the demand is light with the prices ranging from \$2.00 to \$3.00 per dozen. There is a good supply of green stuff on the market.

Roses are moving much better than they have been and there is still a large supply of the cheaper grades on the market, selling at from \$2.00 to \$3.00 per hundred, with a lesser price in thousands. The latter part of last week brought forth an increased demand for lily of the valley, as was also the case with Longiflorum lilies. Greens are still moving good and Adiantum has been in better demand. The numerous fall weddings and social events is the cause. Choice Cattleya labiata is in. Yellow chrysanthemums are coming in in better shape, and there is a steady demand for them; the white variety are more plentiful and bring less. Carnations are improving in quality and quantity, although there is still room for improvement. Radiance roses are coming in fine, and are worth from

\$6.00 to \$10.00, according to length of stems. "Mrs. Taft" are equally good and Richmonds are coming better. There is a plentiful supply of violets and good stock is being sold to the stores at \$1.00, although the price in quantities is somewhat lower. The funeral of Admiral Schley greatly enlivened business last week, as did that of Curtis, the newspaper correspondent. Gude Bros., Kramer & Cooke's, Blackstone's, Shaffer's Small's and others all had a share in the work. The masonic festivities and the convention of the German-American Alliance, which called for banquets, visitations, etc., also used up a large number of set pieces and enormous quantities of cut flowers. To finish up the week there were several large weddings and the usual trade which comes to the local florists at this time of the year.

FLORISTS' HARDY SUPPLIES

Dagger and Fancy Ferns, Moss,
Galax, Laurel Roping, Southern
Smilax, Boxwood, Etc.

Hartford & McDonough 70 PEMBERTON SQ., BOSTON IN THE SWIM

Christmas Trees, Spruce, Balsam, the
Holly, the Fir, the Pine, the Cedar, the
Spruce, Balsam, Hemlock Branches, Laurel
and Evergreen Festooning and Wreaths,
Sphagnum Moss, Hardy Cut Fancy and
Dagger Ferns, Yearly Christmas Made
Send for Price List and order your Christ-
mas Trees now. GET THE BEST.

H. J. SMITH, Hinsdale, Mass.

Buyer's Directory and Ready Reference Guide

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Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
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ACHYRANTHES

Achyranthes, P. de Bailey, 2 in., \$2.50 per 100.
THE GEO. WITTBOLD CO., Chicago, Ill.

AGERATUM

Ageratum, Stella Gurney, 2 in., Princess Pauline, 2 in., \$2.00 per 100.
THE GEO. WITTBOLD CO., Chicago, Ill.

ALTERNANTHERAS

Chas. H. Totty, Madison, N. J.
For page see List of Advertisers.
Alternanthera, rooted cuttings, Aurea Nana, Brilliantissima, Paronychoides Major, \$5.00 per 1000.
THE GEO. WITTBOLD CO., Chicago, Ill.

ALYSSUM

Alyssum, double giant. Large 2½-inch plants, \$2.00 per 100. Jos. Traudt, Canajoharie, N. Y.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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Godfrey Aschmann, 1012 Ontario St., Philadelphia.
For page see List of Advertisers.
Henry A. Dreer, Inc., Philadelphia, Pa.
For page see List of Advertisers.
Araucaria Excelsa, 4 in., 4 tiers, 50c. each, \$6.00 doz.
THE GEO. WITTBOLD CO., Chicago, Ill.

ASPARAGUS

A. Leuthy & Co., Roslindale, Mass.
Asparagus Plumosus Nanus.
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A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.
Asparagus plumosus seedlings, clumps, sprays and seeds. Write for prices. Peter Mack, Orlando, Fla.
Asparagus plumosus, 3 in., 6c. A. Sprenger, 3 in., 4c.; 4 in., 6c.; 5 in., 12c. Schneider, Florist, Springfield, Ohio.
Asparagus Baskets, \$1.00, \$1.50 and \$2.00 each. Asparagus Plumosus, 2 in., \$3.00 per 100; 3 in., \$1.00 doz., \$8.00 per 100. Scandens Deflexus, 4 in., \$1.50 doz. Sprenger, 3 in., 75c. doz. \$6.00 per 100, \$50.00 per 1000; 4 in. 50c. at 1000 rate, \$1.50 doz., \$10.00 per 100, \$80.00 per 1000.
THE GEO. WITTBOLD CO., Chicago, Ill.

10,000 Asparagus plumosus, strong, bushy plants, from 3-in. pots, ready to shift, \$3.00 per 100; \$25.00 per 1000. Samples, 10c. Cash with order. C. C. Yost, Lebanon, Pa.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
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A. Leuthy & Co., Roslindale, Mass.
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Lochner & Co., New York, N. Y.
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BAY TREES

A. Leuthy & Co., Roslindale, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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Bay Trees and Box Trees, all sizes
Write for special list
Julius Roehrs Co., Rutherford, N. J.

BEGONIAS

A. Leuthy & Co., Roslindale, Mass.
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Thomas Roland, Nahant, Mass.
Lorraine Begonias.
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BOILERS

Kroeschell Bros. Co., 466 Erie St., Chicago.
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BOXWOOD SPRAYS

Tree variety goods. Quality guaranteed. Write us your requirements. Jones, The Holly Wreath Man, Milton, Delaware.

BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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A. Leuthy & Co., Roslindale, Mass.
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Julius Roehrs Co., Rutherford, N. J.
Box Trees all sizes. Ask for special list.

BOXES—CUT FLOWER—FOLDING
Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

BROAD-LEAVED EVERGREENS
Eastern Nurseries, Jamaica Plain, Mass.
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BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.
French and Dutch Bulbs.
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J. M. Thorburn & Co., 33 Barclay St., N. Y.
Wholesale Catalogue.
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A. T. Boddington, 342 W. 14th St., N. Y.
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Richards Bros., 37 East 19th St., New York.
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Japanese Callas.
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T. J. Grey & Co., 32 and 33 So. Market St., Boston.
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Ralph M. Ward & Co., 12 W. Broadway, New York.

Horseshoe Brand.
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James Vick's Sons, Rochester, N. Y.
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Lochner & Co., New York, N. Y.
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John Lewis Childs, Flowerfield, L. I. Fall Bulbs.
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The W. W. Barnard Co., Chicago, Ill.
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Fottler, Fiske, Rawson Co., Boston, Mass.
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E. S. Miller, Wading River, N. Y.
Bulbs and Roots for Fall Planting.
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A. Henderson & Co., Chicago, Ill.
Narcissus Paper White Grandiflora.
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CANNAS

R. Vincent, Jr. & Sons Co., White Marsh, Md.
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THE IMPROVED CANNA.

We have a finer stock of these Improved Winter Wonder Cannas than ever before in our history. The price for new kinds is likely to be higher in the Spring because the demand justifies it and the supply is short. For other first class kinds prices reduced. Get our list before ordering. The Conard & Jones Co., West Grove, Pa.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
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Chicago Carnation Co., Joliet, Ill.
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S. S. Pennock-Meehan Co., Phila., Pa.
Field Grown Carnation Plants.
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Wood Bros., Fishkill, N. Y.
Field Grown Plants.
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Ridley Park Nurseries, Ridley Park, Pa.
300 Enchantress, \$5.00 per 100; 200 Windsor, \$4.00 per 100. Field grown, best of stock. Bid on the lot. O. L. Baird, Dixon, Ill.

Nice field grown Carnation plants, 1500 Queen, 1500 Dark Reds and 1500 Victory. Cheap to clean up the lot. Adams and American Express. Adolph E. E. Koch, Nobscot, Mass.

Carnation Plants—Field-grown, Enchantress, \$5.00 per 100; white and pink Lawson, \$4.00 per 100. Cash. M. J. Schaaf, Dansville, N. Y.

Carnations, strong, field-grown plants. 1000 Queen, 500 Windsor, 125 Nelson Fisher, 200 Penn, 200 Bountiful, 200 Lawson, \$6.00 per 100, \$50.00 per 1000. Cash. Chas. H. Green, Spencer, Mass.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CHRISTMAS TREES AND BALED SPRUCE

H. J. Smith, Hinsdale, Mass.
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CHRYSANTHEMUMS

Elmer D. Smith, Adrian, Mich.
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Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Chrysanthemum Plants—White Garza, 5 in., \$3.00 doz.; 6 in., \$4.00 doz. Large double yellow Pompons, 5 in., \$3.00 doz.; 6 in., \$4.00 doz.; small 5 in., \$3.00 doz.; 6 in., \$4.00 doz.

THE GEO. WITTBOLD CO., Chicago, Ill.

Chrysanthemums, rooted cuttings, Monrovia, Polly Rose, \$12.00 per 100. Violets, Princess of Wales, \$6.00 per 100; \$50.00 per 1000. Chas. Leuker, Freeport, L. I., N. Y.

CINERARIAS

Cinerarias, best strain dwarf, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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COLEUS

Coleus, rooted cuttings, Pfister, red and yellow, Beckwith's Gem, Golden Bedder, Verschaffeltii, \$6.00 per 1000. Two in., Pfister, red and yellow, Beckwith's Gem, Golden Bedder, Verschaffeltii, \$2.00 per 100.
THE GEO. WITTBOLD CO., Chicago, Ill.

Edgebrook, Chicago, Ill.

CROTONS

Crotons, 2½ in., \$1.00 per doz.; 3 in., \$1.50 per doz.; 4 in., 25c. each, \$3.00 per doz.; 7 in., 4 in a pot, 75c. and \$1.00 each.

THE GEO. WITTBOLD CO., Chicago, Ill.

CYCLAMENS

Cyclamen—Best Varieties in different colors, 3 inch pots, strong plants, \$10.00 per 100, \$80.00 per 1000. Julius Roehrs Company, Rutherford, N. J.

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DAHLIAS

Herbert, Acto, N. J.

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R. Vincent, Jr. & Sons Co., White Marsh, Md.

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Henry A. Dreer, Inc., Philadelphia, Pa.

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Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Export, North Dighton, Mass.

Dahlias, divided roots, from 1 to 3 eyes to the piece. Send for list and get the latest varieties. W. P. LOTHROP, Brockton Dahlia Farm, E. Bridgewater, Mass.

DAHLIAS NEW FOR 1911.

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williamstown Junction, N. J., Post Office, Berlin, N. J.

DAHLIAS.

Have a surplus of the following standard kinds:

White, Camelliaflora, Henry Patrick, Pink, A. D. Livoni, Sylvia, Yellow, Catherine, Clifford Bruton, Yellow Jim.

Red, H. Lyndhurst, Wm. Agnew, Indian Chief, Souv. Gustave de Douzan, the best red for cutting.

Cash price for extra heavy field clumps good for five (5) and more good divisions, \$1.50 per dozen; \$3.00 per 50; \$5.00 per 100; \$45.00 per 1000. Cash please.

WM. A. FINGER,

Hicksville, Long Island, New York.

DAISIES

Double Daisies (Bellis), mixed, nice plants, \$1.25 per 500; \$2.00 per 1000. M. B. Saunders Co., 25 Burnett St., Providence, R. I.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.

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John Scott, Brooklyn, N. Y.

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DRACAENAS.

Dracaena fragrans 2½ in., \$1.50 per doz.; 3 in., \$2.00 per doz.; 4 in., \$3.00 per doz.; 5 in., \$5.00 per doz. Dracaena indivisa, 2 in., \$3.00 per 100, \$25.00 per 1000; 7 in., 2½ to 3 in. high, \$1.25 each, \$15.00 per 1000. Dracaena Massangeana, 6 in., \$1.25 each; terminalis, 3 in., \$1.75 per doz.

THE GEO. WITTBOLD CO.,

Edgebrook, Chicago, Ill.

EUONYMUS.

Euonymus Variegata (golden and silver leaf), 2½ in., 50c. each; 5 in., 35c. each, \$4.20 per doz.; 6 in., 50 each, \$6.00 per doz.

THE GEO. WITTBOLD CO.,

Edgebrook, Chicago, Ill.

EVERGREENS

New England Nurseries, Bedford, Mass.

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FERNS

A. Leuthy & Co., Roslindale, Mass.

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H. H. Barrows & Son, Whitman, Mass.

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John Scott, Brooklyn, N. Y.

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Frank Oechslin, 4911 Quincy Street, Chicago.

Ferns for Dishes.

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Robert Craig Co., Philadelphia, Pa.

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F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

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Joseph Heacock, Wyncote, Pa.

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Ridley Park Nurseries, Ridley Park, Pa.

Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

FERNS—Continued

Boston Ferns—6-inch pots, 45c. each, \$40.00 per 100. Whitman Ferns, 4-inch, 20c. each, \$15.00 per 100; 5-inch, 30c. each, \$25.00 per 100; 6-inch, 45c. each, \$40.00 per 100; 7-inch, 60c. each, \$55.00 per 100; 8 inch, 75c. each, \$70.00 per 100. Pteris Elastic, 35c., 50c. and 75c. each. Cash please. Queen City Floral Co., Manchester, N. H.

Bostons, 2 in., \$3.00 per 100; \$25.00 1000
" 6 in., \$6.00 doz.; \$45.00 per 100
" 7 in., \$0.75 each; \$9.00 doz.
" 8 in., \$1.00 each; \$12.00 doz.
" 9 in., \$1.50 each; \$18.00 doz.
" 10 in., \$2.50 each; \$25.00 doz.
" 12 in., \$3.50 to \$5.00 eachFern Baskets, \$1, \$1.50 and \$2.50 each
THE GEO. WITTBOLD CO.,

Edgebrook, Chicago, Ill.

Ferns. Handsome stock. Boston, Whitman, Elegantissima compacta, Springfieldii, Amerpohlii, Scholzei. Rooted runners, \$1.50 per 100; 3 in. Set 4 in., 15c.; 5 in., 25c. Sample sent for 25c. Satisfaction guaranteed. Ferns are grown at Cleveland, Ohio, plant. 60,000 feet of modern glass devoted to ferns and asparagus. Special prices on large quantities for cash only. Schneider, Florist, Springfield, Ohio.

Boston Ferns, 5 in., 6 in., 7 in. pots, \$3.00, \$6.00 and \$9.00 a dozen. Andrew P. Peterson, South Lincoln, Mass.

FERTILIZERS

20th Century Plant Food Co., Beverly, Mass.

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Pulverized Manure Co., 31 Union Stock

Yards, Chicago, Ill.

Wizard Brand Cattle Manure.

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The New Mineral Fertilizer Co.,

19 Exchange Place, Boston, Mass.

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Shell-Marl Land-Lime, doubles farm crops, best and cheapest lime carbonate for your soils, not caustic, no magnesia. Wood ashes substitute, better than Canada ashes, standard, no moisture. Fine-Ground Phosphate Rock, permanent soil builder. Force-Feed Lime-Fertilizer Sowers, cheapest and best. Baled shavings, best absorbent stable bedding. All sold at lowest possible prices. Send for catalogue. Vermont Marl Company, Brattleboro, Vermont.

Hardwood ashes, best fertilizer on earth for lawns and gardens. George Stevens, Peterborough, Ont., Canada.

FICUS

Ficus Elastica (rubbers), 6 in., 50c. each, \$6.00 per doz. Repens vines, 2½ in., 50c. each.

THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.**FEVERFEW**

Feverfew. Unrooted cuttings, 50c. per 100, or \$4.00 per 1000, by mail prepaid. Adolph E. E. Koch, Nobscot, Mass.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.

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FLORISTS' LETTERS

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.

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H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.

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M. Rice & Co., 1220 Race St., Phila., Pa.

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Reed & Keller, 122 W. 25th St., New York.

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H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

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S. S. Pennock-Meehan, Philadelphia, Pa.

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FLOWER POTS

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Syracuse Pottery Co., Syracuse, N. Y.
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Peters & Reed Pottery Co., Zanesville, O.
For page see List of Advertisers.**FORGET-ME-NOTS**

Forget-me-nots, winter flowering, large clumps, to close out, \$1.00 per 100. Plants from seed bed, \$2.50 per 1000. Cash. M. B. Saunders Co., 25 Burnett St., Providence, R. I.

FRUIT REVIEW.The Rex Company, Harrisburg, Pa.
For page see List of Advertisers.**FRUIT TREES**

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

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Kervan Co., New York.

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H. M. Robinson & Co., 15 Province St.
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R. Vincent, Jr. & Sons Co., White Marsh, Maryland.

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Geraniums Nutt, Poltevine, Ricard, Perkins, Vlaud, Buchner, Rose, Ivy. Rooted cuttings, \$1.00 per 100; \$10.00 per 1000. Edward Wallis & Co., Berlin, N. J.

Geraniums, S. A. Nutt 2 in., Rose 2 in., \$2.00 per 100.

THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.**GLASS**Boston Plate & Window Glass Co., Boston.
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Standard Plate Glass Co., 26-30 Sudbury St., Boston.

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Foley Mfg. Co., Western Ave., between 25th and 26th Sts., Chicago.

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Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.

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Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.

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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.

Peerless Glazing Point.

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GREENHOUSE BUILDING MATERIAL

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Foley Mfg. Co., Chicago.

Pecky Cypress for Benches.

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Lord & Burnham Co.,

1133 Broadway, New York.

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S. Jacobs & Sons, 1359-63 Flushing Ave., Brooklyn, N. Y.

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GREENHOUSE CONSTRUCTION

Foley Mfg. Co., Chicago.

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King Construction Co., N. Tonawanda, N. Y.

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A. T. Stearns Lumber Co., Boston, Mass.

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In writing to Advertisers kindly mention Horticulture

GREENHOUSE CONSTRUCTION—
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Lord & Burnham,
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Hitchings & Co., 1170 Broadway, N. Y.
Pierston U-Bar Co., Madison Ave., New York
Designer and Builder.
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GUTTERS

King Construction Co., N. Tonawanda, N. Y.
King Channel Gutters.
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HAIL INSURANCE

Florists' Hall Assn. of America.
J. G. Esler, Saddle River, N. J.
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HARDY FERNS AND SUPPLIES

H. M. Robinson & Co., Boston, Mass.
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Michigan Cut Flower Exchange,
28 and 40 Broadway, Detroit, Mich.
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The Kervan Co., New York
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J. Jansky, Boston, Mass.
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H. J. Smith, Hinsdale, Mass.
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HEATING APPARATUS

Kroeschell Bros. Co., 468 Erie St., Chicago.
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Lord & Burnham Co.,
1133 Broadway, New York.
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HELIOTROPE

Heliotrope, 2 in., \$2.00 per 100.
THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

HERBACEOUS PLANTS

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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New England Nurseries, Bedford, Mass.
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Boblink & Atkins, Rutherford, N. J.
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HEMEROCALLIS LILY

Fulva, \$2.50 per 100. C. S. Harrison's
Select Nursery Co., York, Neb.

HOLLYHOCKS

Hollyhocks, choice plants, finest double,
separate colors, white, yellow, pink, red,
25c. per doz., 75c. hundred. Oriental hardy
poppy, yearling pot plants, mammoth
flowers, 50c. per dozen.
Wingert & Ulevy, Springfield, Ohio.

HONEYSUCKLE

A. L. Miller, Brooklyn, N. Y.

HOSE

H. A. Dreer, Philadelphia, Pa.
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HOT-BED SASH

A. T. Stearns Lumber Co., Neponset, Mass.
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Foley Mfg. Co., Chicago.
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Parshelsky Bros., Brooklyn, N. Y.
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Lord & Burnham Co., 1133 Broadway, N. Y.
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HYDRANGEAS

F. R. Pierson Co., Tarrytown-on-Hudson,
New York.

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INSECTICIDES

Eastern Chemical Co., Boston, Mass.
Imp. Soap Spray.

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Nicotide kills all greenhouse pests
P. R. Palethorpe Co., Owensboro, Ky.
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Stump & Walter Co., New York.
Kiln-dried Tobacco Dust.
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Aphine Manufacturing Co., Madison, N. J.
Aphine.

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E. H. Hunt, Chicago, Ill.
To-Bak-line Products.

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Wilson Plant Oil and Fertilizer Co., New
York, N. Y.

Wilson Plant Oil.
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INSECTICIDES—Continued

Acme Nicotine Insecticides sold direct to
the grower. Acme 45 per cent. Liquid,
pint \$1.75; gallon \$12.50. Acme Fumigat-
ing Paper, case of 288 sheets \$5.50. Sample
can of 24 sheets 60 cents, postpaid. J. P.
Beermaker, 9 Washington Ave., St. Louis,
Mo.

IRISES.

Henry A. Dreer, Inc., Phila., Pa.
Imperial Japanese Iris.

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Iris Germanica in clumps, not divisions,
at \$2.00 per 100 if taken at once; to clear
space. F. F. Scheel, Shermerville, Ill.

IRIS. All of the leading varieties. C. S.
Harrison's Select Nursery Co., York, Neb.

IVIES

Ivy, German, 2 in., \$2.00 per 100.
Ivy, English, 3 in., 75c. per doz.; 4 in.,
\$1.50 per doz.

THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

JAPANESE LILIES

Loechner & Co., New York, N. Y.
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KENTIAS.

Boblink & Atkins, Rutherford, N. J.

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A. Lenthy & Co., Roslindale, Mass.
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LANDSCAPE GARDENING COURSE.

Home Correspondence School, Springfield,
Mass., Dept. 8.
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LAUREL

Laurel wreaths, roping and branches
furnished on short notice Jones, The
Holly Wreath Man, Milton, Delaware.

LILAC

Rouen, 3 to 4 feet, six to fifteen branches,
an ideal hedge as it stands, \$10.00 per 100.
C. S. Harrison's Select Nursery Co., York,
Neb.

LILIUM HARRISII

F. R. Pierson Co., Tarrytown-on-Hudson,
N. Y.

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**LILIUM MULTIFLORUM AND GIGAN-
TEUM**

R. M. Ward & Co., New York, N. Y.
Horse Shoe Brand.

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MASTICA

F. O. Pierce Co., New York, N. Y.
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MATS FOR COLD FRAMES

Wm. Elliott & Sons, New York, N. Y.
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NICO-FUME

Kentucky Tobacco Product Co.,
Louisville, Ky.

NIKOTEEEN APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.

NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.
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New England Nurseries, Bedford, Mass.
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W. & T. Smith Co., Geneva, N. Y.
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Boblink & Atkins, Rutherford, N. J.
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Bay State Nurseries, North Abington,
Mass.

Hardy, Northern Grown Stock.

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McHutchison & Co., New York, N. Y.
Direct Importations.

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Loechner & Co., New York, N. Y.
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F. E. Conine Nursery Co., Stratford, Conn.
Large Evergreens, Deciduous Trees, Large
Shrubs, Etc.

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TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS.

Ellwanger & Barry, Rochester, N. Y.

NURSERY STOCK—Continued

Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00 by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

ONION SEED.

Schilder Bros., Chillicothe, O.
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ONION SETS

Leonard Seed Co., Chicago, Ill.
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For Sale. Winter Onion Top Sets, select
stock. A. S. Pett, Crawfordsville, Ind.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
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Ordenez Bros., Madison, N. J., Box 106.
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Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.

For page see List of Advertisers.

Orchids—largest stock in the country.
Stove plants and Crotons, finest collection.

Julius Roehrs Co., Rutherford, N. J.

Orchid Growers' Manual. By B. S. Wil-
liams, 300 illustrations, 800 pages; descrip-
tions of upwards of 2500 species and varie-
ties of orchidaceous plants, etc. The most
complete work on Orchids and orchid cul-
ture ever published. Price \$10.00. Orders
filled by HORTICULTURE, 11 Hamilton
Place, Boston.

Edward V. Low, late of Hugh Low &
Co., dissolved, Vale Bridge, Haywards
Heath, England. "White" Cattleyas and
Choice Cypripediums are leading features.

PALMS, ETC.

Cocos Weddelliana, 2 in., \$1.75 doz.;
\$14.00 per 100. 3 in., \$2.50 doz.; \$20.00 per
100.

Cycas Revoluta (Sago Palm), 6 in., 75c.
to \$1.00 each.

Kentia, Belmoreana, 2½ in., 8 in. high, 4
leaves, \$1.50 doz.; \$12.00 per 100. 3 in., 8-10
in. high, 4-5 leaves, \$2.00 doz.; \$15.00 per
100. 4 in., 12-15 in. high, 4-5 leaves, \$3.00
doz.; \$30.00 per 100. 5 in., 18-20 in. high,
5-6 leaves, 75c. each; \$9.00 doz. 6 in., 20-22
in. high, 5-6 leaves, \$1.00 each; \$12.00 per
doz. 6 in., 26-28 in. high, 6-7 leaves, \$1.50
each; \$18.00 per doz. 7 in., 28-30 in. high,
6-7 leaves, \$2.50 each; \$30.00 per doz.

7 in., 40-44 in. high, 6-7 leaves, \$4.50 each.
8 in., 44-45 in. high, 7-8 leaves, \$5.50 each.
9 in., 48-50 in. high, 7-8 leaves, \$8.00 each.
9 in., 50-54 in. high, 7-8 leaves, \$10.00 each.

Kentia Fosteriana, 2½ in., \$1.50 doz. 3
in., \$2.00 doz. 4 in., \$3.00 doz. 5 in., \$5.00
doz. 5 in., 20-24 in. high, 4-6 leaves, 75c.
each; \$9.00 doz. 6 in., 30-35 in. high, 4-6
leaves, \$1.00 each; \$12.00 doz. 7 in., 36-38
in. high, 5-6 leaves, \$2.50 each. 8 in., 40-42
in. high, 5-6 leaves, \$4.50 each. 9 in., 46-
50 in. high, 6-7 leaves, \$7.00 each.

Kentia, made up plants, 7 in., 24-30 in.
high, 3-4 in a pot, \$2.50 each. 9 in., 50-54 in.
high, 3-5 in a pot, \$8.00 each. 10 in., 58-60
in. high, 4-5 in a pot, \$10.00 each. 12 in.,
62-70 in. high, 4-5 in a pot, \$15.00 each.

Latania Borbonica, 4 in. pot, \$3.00 doz.;
\$20.00 per 100. 2 in., 1-2 leaves, \$3.00 per
100, \$25.00 per 1000. 5 in., \$5.00 per doz.,
\$40.00 per 1000.

Pandanus Utilis, 3 in. pots, \$2.00 doz.
Veitchii, 4 in. pots, 50c. each; \$5.50 doz.

5 in. pot, 75c. each; \$9.00 doz. 6 in. pot,
\$1.00 each; \$12.00 doz.

Phoenix Canariensis, 7 in. pot, 36-40 in.
high, \$2.50 each. 10 in. pot, 50-54 in. high,
\$8.00 each. 10 in. pot, 60-64 in. high, \$10.00
each.

Phoenix Reclinata, 4 in. 25c. each, \$3.00
doz., \$20.00 per 1000. 5 in. pot, 50c. each;
\$5.00 doz. 6 in. pot, 75c. each; \$9.00 doz.

Phoenix Roebelenii, 2½ in. pot, \$2.00
doz.; \$15.00 per 100. 3 in. pot, \$3.00 doz.;
\$22.50 per 100. 5 in. pot, \$9.00 doz.; \$70.00
per 100. 6 in. pot, \$2.00 each. 7 in. pot,
\$2.50 each.

Areca Lutescens, 3 in. pot, 2 plants in a
pot, \$2.00 doz.; \$15.00 per 100. 7 in. pot,
4-5 plants in a pot, 36 in. high, \$3.00 each.
8 in. pot, 5-6 plants in a pot, 60-64 in. high,
\$5.00 each.

THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

PALMS, ETC.—Continued

- A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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- Robert Craig Co., Philadelphia, Pa.
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- John Scott, Brooklyn, N. Y.
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- Julius Roehrs Co., Rutherford, N. J.
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- Joseph Heacock, Wyncote, Pa.
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- Lochner & Co., New York, N. Y.
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PANSIES

We offer seedlings of Giant Pansies, mixed, Calliopsis grandiflora and Sweet Williams at 35c., 100; \$2.75, 1000. Strong June sown double Hollyhocks, separate colors, 75c., 100; \$5.00, 1000. Asparagus Sprengeri seedlings, strong, \$1.00, 100; \$8.00, 1000. Russell Bros., Syracuse, N. Y., Route 4.

PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
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PECKY CYPRESS BENCHES

Foley Mfg. Co., Chicago.
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A. T. Stearns Lumber Co., Boston, Mass.
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PEONIES

Henry A. Dreer, Inc., Philadelphia, Pa.
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PEONIES—1200 sorts, an enormous stock List ready. C. Betscher, Canal Dover, O.
"Fragrans," late dark pink, large divisions, \$6.00 per 100, \$50.00 per 1000. Chas. Lenker, Freeport, L. I., N. Y.

PEONIES. Send for our wholesale list. C. S. Harrison's Select Nursery Co., York, Neb.

PETUNIAS

Petunias (Dreer's), mixed, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

PHLOX

Henry A. Dreer, Inc., Philadelphia, Pa.
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PHLOX. Field grown. C. S. Harrison's Select Nursery Co., York, Neb.

PHOTOGRAPHS

I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan R. Graves, 414 Hayward Bldg., Rochester, N. Y.

PLANT STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

PIPE AND FITTINGS

Foley Mfg. Co., Chicago.
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Kroeschell Bros., Co. 466 Erie St. Chicago.
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Metropolitan Material Co., Brooklyn, N. Y.

POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

POULTRY AND FARM REVIEW.
The Rex Company, Harrisburg, Pa.
For page see List of Advertisers.

PRIMULAS

Primulas Chinese, fine plants, 2½ in. \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

Primula Obconica, 3 in., \$6.00 per 100.
THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

PRIMULAS—Continued

Chinese primroses, double and single, fancy colors mixed. Large 3½-in. plants, \$8.00 per 100. Primula obconica grandiflora, fancy mixed, 4-in. plants, in bud and bloom, \$5.00 per 100, 50,000 on hand ready for market. Large or small orders solicited. Try some. Alonzo J. Bryan, Washington, N. J.

PRIMULA MALACOIDES

Arthur T. Boddington, New York, N. Y.

PRINTING

The Rex Company, Harrisburg, Pa.
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PRIVET

Ridley Park Nurseries, Ridley Park, Pa.
California Privet, any quantity, size, age. Others say ours is the best grown. Write for prices; also on shrubbery, ornamentals, fruit trees, asparagus, etc. Franklin Davis Nursery Co., Baltimore, Md.

RHODODENDRONS

P. Ouwerkerk, Hoboken, N. J.
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Bobbink & Atkins, Rutherford, N. J.
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RHUBARB ROOTS

RHUBARB ROOTS, extra large clumps for forcing, \$20.00 per 100; strong divided clumps for replanting, \$5.00 per 100. Best kind for the market; red stalks.
Sluis Seed Store, 544 W. 63rd St., Chicago.

RIBBONS AND CHIFFONS

M. Rice & Co., 1220 Race St., Phila., Pa.
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S. S. Pennock-Meehan Co., Philadelphia, Pa.
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Wertheimer Bros., New York, N. Y.
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ROSES

Ridley Park Nurseries, Ridley Park, Pa.
P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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Robert Craig Co., Philadelphia, Pa.
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W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
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Bay State Nurseries, North Abington, Mass.
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Wood Bros., Fishkill, N. Y.
Own Root Roses.
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Eastern Nurseries, Jamaica Plain, Mass.
New Roses Originated by Jackson Dawson.
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S. S. Pennock-Meehan Co., Phila., Pa.
New Roses for 1912.
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RUBBER STAMPS, STENCILS

The Rex Company, Harrisburg, Pa.
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SANSEVIERIAS
Sansevierias, 4 in., 20c. each, \$2.25 doz.
THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

SEED GROWERS

Braalan Seed Growers Co., San Jose, Cal.
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C. C. Morse & Co., San Francisco, Calif.
Onion, Lettuce, Sweet Pea Seeds.
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J. C. Robinson Seed Co., Waterloo, Neb.
Contract Seed Growers.
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SEEDS

T. J. Grey Co., 32 So. Market St., Boston
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Joseph Breck & Sons.
51 and 52 N. Market St., Boston, Mass.
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Richards Bros., 37 E. 19th St., New York
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Henry F. Michell Co., Philadelphia, Pa.
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W. Atlee Burpee & Co., Philadelphia
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Arthur T. Boddington, New York
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R & J Farquhar & Co., Boston, Mass.
Flower Seeds for the Florist
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J. M. Thorburn & Co., 33 Barclay St., N. Y.
Asparagus Plumosus Nanus Seeds.
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Fottler, Fiske, Rawson Co., Boston, Mass.
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Leonard Seed Co., Chicago, Ill.
Peas, Beans, Radish and all Garden Seeds.
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Wm. Elliott & Sons, New York.
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James Vick's Sons, Rochester, N. Y.
All Leading Varieties of Seeds.
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S. S. Skidelsky & Co., Philadelphia, Pa.
Giant English Cyclamen and Mignonette.
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The W. W. Barnard Co., Chicago, Ill.
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J. Bolgiano & Son, Baltimore, Md.
Hemp Seed Special.
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Hjalmar Hartmann & Co., Copenhagen, Denmark.
Cauliflower and Cabbage Seed.
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SHEET MOSS

The very best quality obtainable. For early orders we will offer inducing prices. Jones, The Holly Wreath Man, Milton, Delaware.

SOLANUM

Solanum Aculeatissimum, 6 in. strong plants, 50c. each, \$5.00 doz. Capsicum (Jerusalem Cherry), 5 in., \$2.00 doz., \$15.00 per 100; 6 in., \$3.00 doz.

THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

SPHAGNUM MOSS

S. S. Pennock-Meehan Co., Phila., Pa.
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The W. W. Barnard Co., Chicago, Ill.
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Joseph B. Townsend, Berlin, N. J.
Moss, Peat, etc.
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H. J. Smith, Hinsdale, Mass.
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Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

Ten bales sphagnum moss, \$7.00. Z. K. Jewett Co., Sparta, Wis.

SPRAYERS

Chas. J. Jager Co., Boston, Mass.

TRADESCANTIA
Tradescantia variegata (Wandering Jew), 2 in., 40c. doz., \$3.00 per 100.

THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

TREE RENOVATION

John T. Withers, Inc., Jersey City, N. J.
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VALLEY LIPS

Hjalmar Hartmann & Co., Copenhagen, Denmark.
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Lochner & Co., New York, N. Y.
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VEGETABLE PLANTS

Fox Hall Farm, Norfolk, Va.
Tomato, Cabbage and Lettuce Plants.
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FOR SALE—Pepper Plants in Pots.
E. M. Ingalls P. O. Box 135, West Lynn, Mass.—Preston Street, Pine Hill.

VENTILATING APPARATUS

Foley Mfg. Co., Chicago.
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The Advance Co., Richmond, Ind.
Improved Ventilator Arm.
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VINCAS

Vincas, 4 in., \$2.00 per doz., \$15.00 per 100.

THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Vinca, variegated, field-grown, \$6.00 per 100. Chas. H. Green, Spencer, Mass.

WIREWORK

Reed & Keller, 122 W. 25th St., N. Y.
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J. Jansky, Boston, Mass.
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In writing to Advertisers kindly mention Horticulture

FOR "POT LUCK" TRY US..

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS
WORLD'S LARGEST MANUFACTURERS
WRITE FOR CATALOGUE AND DISCOUNT

Pearson Street,
LONG ISLAND CITY, N. Y.

A. H. HEWS & CO., Inc.

Main Office and Factories
CAMBRIDGE, MASS.

WIREWORK—Continued

Wirework. Write for our catalogue.
Holton & Hunkel Co., Milwaukee, Wis.
William E. Hellscher's Wire Works, 38-40
Broadway, Detroit, Mich.

WOOD PRESERVATIVE

Conservo Wood Preservative doubles the
life of all exposed lumber. Preserves
benches, posts, sills or planking. Costs
3c. a stick, and saves ten times its cost.
Samuel Cabot, Inc., Mfg. Chemists, Bos-
ton, Mass.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
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WHOLESALE FLORISTS Boston

N. F. McCarthy & Co., 84 Hawley St.
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Welch Bros., 226 Devonshire St.
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H. M. Robinson & Co., 15 Province St.
and 9 Chapman Pl.
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Buffalo, N. Y.

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William F. Kasting Co., 383-87 Ellicott St.
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Chicago

Peter Reinberg, 51 Wabash Ave.
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Poehlmann Bros. Co., Morton Grove, Ill.
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J. A. Budlong, 37-39 Randolph St.
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Chicago Flower Growers' Association,
176 N. Michigan Ave.
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Cincinnati, Ohio

The J. M. McCullough's Sons Co., 316
Walnut St.
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Cromwell, Conn.

A. N. Pierson, Cromwell, Conn.
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Detroit

Michigan Cut Flower Exchange, 38 and 40
Broadway.
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New York

M. C. Ford, 121 W. 28th St., New York
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H. E. Froment, 57 W. 28th St., New York.
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E. C. Horan, 55 W. 28th St., New York.
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A. H. Langjahr, 130 W. 28th St., New York.
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James McManus, 55 W. 28th St., New York.
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W. F. Sheridan, 133 W. 28th St., New York.
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Wm. H. Kuebler, 28 Willoughby St.,
Brooklyn, N. Y.
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Moore, Heutz & Nash, 55 and 57 W. 26th
St., New York.
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Greater New York Florists' Association,
162 Livingston St., Brooklyn, N. Y.
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A. L. Young & Co., 54 W. 28th St., N. Y.
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Charles Millang, 55 and 57 West 26th St.
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P. J. Smith, 49 West 28th St., N. Y.
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Frank Millang, New York, N. Y.
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WHOLESALE FLORISTS

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Traendly & Schenck, New York, N. Y.
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Badgley, Riedel & Meyer, Inc., New York
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A. Moltz & Co., New York, N. Y.
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Siebrecht & Siebrecht, 136 West 28th St.,
New York.
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Philadelphia

Leo. Niessen Co., 1209 Arch St., Phila., Pa.
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The S. S. Pennock-Meehan Co., 1608-19
Ludlow St., Philadelphia, Pa.
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Rochester, N. Y.

George B. Hart, 24 Stone St.
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New Offers in This Issue.

ASPARAGUS PLUMOSUS NANUS SEED.

Arthur T. Boddington, New York, N. Y.
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BIRD MILLET.

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Conard & Jones Co., West Grove, Pa.
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SPECIAL ROOSEVELT FERNS.

George A. Kuhl, Pekin, Ill.
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Providence, R. I.—A greenhouse, 20
x 80, the property of S. H. Briggs, lo-
cated on Harrison street, has been
placed in the market for rental. The
house was used sometime ago for
raising lily of the valley, but has been
vacant for several months.

The Madison (N. J.) show is
scheduled for October 26 and 27. The
National Association of Gardeners will
hold a meeting in conjunction.

1000 READY PACKED CRATES

STANDARD FLOWER POTS AND BULB PANS

can be shipped at an hour's notice. Price
per crate:

2000 1 3/4 in. @ \$6.00	500 4 in. @ \$4.50
1500 2 " " 4.88	450 4 1/2 " " 5.24
1500 2 1/4 " " 5.25	320 5 " " 4.51
1500 2 1/2 " " 6.00	210 5 1/2 " " 3.78
1000 3 " " 5.00	144 6 " " 3.10
800 3 1/2 " " 5.80	120 7 " " 4.20
	60 8 " " 3.00

HILLFINGER BROS., Pottery, Fort Edward, N. Y.
August Rolker & Sons, 31 Barclay St., N. Y. City Agents.
OUR SPECIALTY—Long distance and export trade.

Syracuse Red Pots

"A little pot is soon hot," likewise a thin pot. This
will save you fuel. Our pots are the thinnest and
toughest owing to the superior quality of the clay.
New price list on application.

Syracuse Pottery Co., SYRACUSE,
N. Y.

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of
the Capital, write us, we can save you money.

W. H. ERNEST

28th & M Sts.,

Washington, D. C.



ALL THE CLAY
FOR OUR
Florist's Red Pots
is prepared by passing
through a screen 1600 meshes
to the square inch. If in a
hurry for pots, order from us.
THE PETERS & REED POTTERY CO.
Zanesville, Ohio

PATENTS GRANTED.

- 1,003,408 Rotary Weeder and Cultiva-
tor. Joseph Ainslie, Leam-
ington, Ontario, Canada.
- 1,003,481 Combined Garden Hoe and
Cultivator. Edwin C. Ma-
goon, Galesburg, Ill., as-
signor by mesne assign-
ments, of one-half to Jo-
sephine P. Lieurance,
Galesburg, Ill.
- 1,003,541 Fertilizer, Insecticide and
Fungicide. William Fred-
erick Keating Stock,
Darlington, England.
- 1,005,078. Miniature Greenhouse. Fred-
erick William Schwarz,
Columbus, Ohio.
- 1,005,086. Lawn-Mower Attachment.
Axl G. Tulane, Chicago,
Ill.

Newport, R. I.—Stuart Duncan of
New York City has purchased the Am-
bassador White and Arthur T. Kemp
estates on Harrison avenue, Newport,
and the work of laying out the grounds
has already begun. Mr. Duncan will
erect a new villa next spring after ex-
tensive changes have been made in
the landscape.

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Obituary

John A. Dow.

John A. Dow died at Hampton Falls, N. H., on Sept. 23, aged 71 years. He was formerly in the florist business.

Winthrop Hoxie.

Winthrop Hoxie died at his home, Chiltonville, Mass., on October 7, aged 41 years. He was formerly in the florist business in Plymouth, Mass.

William Spatz.

William Spatz, retired florist and former resident for forty years of Astoria, N. Y., died Oct. 5, in Bushwick. He was born in Germany eighty-five years ago.

Isaac Gillett.

Isaac Gillett, Troy, N. Y., died on Sept. 22, at the age of 68 years. He for many years carried on a florist business at Eighth avenue and Fifteenth street.

Mrs. Thornton.

Thornton Bros., florists, of Lawrence, Mass., mourn the death of their mother who died October 6, at a very advanced age. This venerable lady was greatly beloved by all, and her declining years have been made very happy by the devotion and affection of her children and grandchildren. She had been ill for several months.

NEWS NOTES.

New Cumberland, Pa.—The greenhouse formerly owned by John Kepner has been purchased by Hanson & Martin of Reading.

Melrose, Mass.—A. M. Tuttle, the sale of whose greenhouses to Charles Rapp was reported in the Sept. 16 issue of HORTICULTURE, is still carrying on his nursery business at 11 Sargent street.

A SOCIETY NOTE.

Dear Editor, an item:
My last, perhaps, this year
I'm keen enough to write 'em,
But news is scanty here.
Society's news founda is
Are growing very dry:
There's nothing in the mountains
But silence, rocks and sky.
Yet by the sunae torbes
That on the hillside's dance
Late gossip on the porches
Spy out one last romance
The beautiful Belle Summer
Who's flirted here since June
Has met a bold newlover.
And she'll surrender soon.
For though by height or hollow
Seclusion she may seek,
Rogue Jack is sure to follow
And feed upon her cheek,
Rose-branded by his kisses,
Her spinsterhood is lost,
Miss Summer now is "Mrs."
Her married name is Frost
—Tom Dalgren, Cathart, Standard

Landscape Gardening



A course for Home-makers and Gardeners taught by Prof. Craig and Prof. Batchelor, of Cornell University.

Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

PROF. CRAIG

250 page catalogue free. Write to-day

The Home Correspondence School

Dept. H, Springfield Mass

POULTRY and FRUIT REVIEW

A publication on the farm journal that reviews all poultry and fruit papers in United States, will be sent on trial one year to all who send 16 cents, to pay wrapping and postage, and names of three fruit or poultry raisers.

THE REX COMPANY

HARRISBURG, PA.

SITUATIONS WANTED

SITUATION WANTED—Carnation man, violet, mum grower, also bedding plants. J. P. Hersey, Roslindale, Mass.

WANTED Position as superintendent of an estate. Fully qualified and experienced as gardener and farmer. First class references. A. L. Marshall, 72 Cortlandt St., New York City.

SITUATION WANTED in Massachusetts by an all around florist of over 25 years experience. Rose growing a specialty. Married. Address N. H., care HORTICULTURE.

SITUATION WANTED: Experienced florist and landscape gardener wishes position as a foreman or second man on gentleman's private estate. Swede, age 32, single, but expecting to marry soon. 16 years' experience in greenhouses, and landscaping; also floral designing. Able to get satisfactory results out of help. Address "E. F.," care of HORTICULTURE.

FOR SALE

FOR SALE—Fresh from factory, new 10 x 12, 16 x 18, 16 x 24, double thick, A and B qualities. Market dropped. Now is the time to buy and save money. Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.

FOR SALE—Two water tube boilers, 100 H. P. each, Helne type; three tubular boilers, 68 inches by 18 feet; perfect condition and cheap. Armstrong Mfg. Co., Springfield, O.

FOR SALE Greenhouse, 15 miles from Boston; 14,000 feet of glass, with good heating; 12,000 mums, 4,000 violets, 1,000 anas, 500 stevias, lots of stock geraniums, also cuttings started, 1,000 snapdragons, some carnations and miscellaneous stock; 100,000 bulbs for forcing, 3 wagons, 2 cultivators; everything goes with the sale. Almost new house, 9 rooms; 15 acres of land; 3/4 mile to station; good train facilities. Electric pass the door. Step right in and make money. R. E. care HORTICULTURE.

LEGAL NOTICE

To Whom It May Concern.

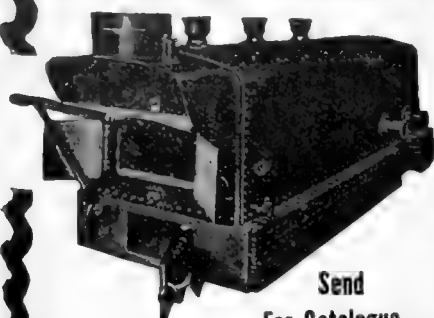
Notice is hereby given that all POWERS OF ATTORNEY given by me at any time are revoked and no person is authorized to receive any money due me or to put me under any financial obligation without my signed authority.

WILLIAM W. CASTLE,

170 Summer St., Boston, Mass.

1 Lake St., E. Weymouth, Mass.

What the Users say



KROESCHELL BOILER
Half the Coal and Half the Work.

"Your No. 13 boiler is carrying 25,000 sq. ft. of glass and I can keep it at 60 degrees in the coldest weather without any trouble. I have three other types of boilers also heating a range of 25,000 sq. ft. of glass, but the No. 13 Kroeschell Boiler **ONLY TAKES HALF THE COAL** and half the work to get the same results."

J. G. FRISZ, Vincennes, Ind.

P. S.—Mr. J. G. Frisz, of Vincennes, Ind., has the largest range of glass in Indiana devoted to vegetable forcing.

Send
For Catalogue

KROESCHELL BROS. CO., 466 W. Erie St., Chicago, Ill.

GLASS

Cheap as Dirt

Have you had any prices on greenhouse glass, lately? Write us at once for our quotations. We'll surprise you. Take advantage of the drop and book orders for future deliveries. Our glass all new and fresh from factory. Hot-bed sash and greenhouse material, dropped too.

PARSHELSKY BROS., CO.
59 Montrose Ave., BROOKLYN, N. Y.



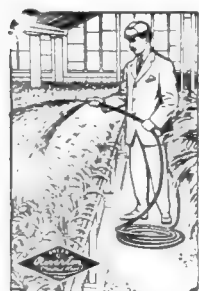
MASTICA

FOR Greenhouse Glazing

USE IT NOW.

F. O. PIERCE CO.
12 W. BROADWAY
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.



DREER'S
Florist Specialties.
New Brand New Style.
Hose "RIVERTON"
Furnished in lengths up to 500 ft. without seam or joint.
The HOSE for the FLOMBT
1/4-inch, per ft., 13 c.
Reel of 500 ft., " 14 1/2 c.
2 Reels, 1000 ft., " 14 c.
1/2-inch, " 13 c.
Reels, 500 ft., " 12 1/2 c.
Couplings furnished.
HENRY A. DREER,
714 Chestnut St.,
PHILADELPHIA, PA.

Rubber Stamps, Stencils

Seals, Steel Stamps, Hotel Baggage and Key Checks, Badges, Burning Brands, Pew Numbers, Numbering Machines, Check Protectors, Stencil Combinations, Steel Alphabets and Figures, Indelible Inks, Stencil Colors and Brushes, Door Plates, Rubber Type. Illustrated Catalogue of nearly 100 pages sent with first order or upon receipt of 5 two-cent stamps. Agents wanted.

THE REX COMPANY, Harrisburg, Pa.

KING GREENHOUSE CONSTRUCTION

IF YOU WANT A GOOD GREENHOUSE THAT
WILL BE GOOD FOR A LONG TIME WRITE TO

KING CONSTRUCTION CO.

Home Office and Factory
N. TONAWANDA
N. Y.

Eastern Sales Office
No. 1 MADISON AVE.
NEW YORK

STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St. BOSTON, MASS. 61-63 Portland St.

SHARP, PARTRIDGE & CO.

Are Leaders in

GREENHOUSE GLASS

OUR PRICES WILL PROVE THIS.

CHICAGO, ILL.

BOSTON PLATE & WINDOW GLASS CO.

Greenhouse Glass

GERMAN AND AMERICAN

261 to 287 A St. BOSTON 20 to 22 Canal St.

Holds Glass Firmly

See the Point **AS**

PEERLESS

Glazing Points are the best.
No rights or lefts. Box of
1,000 points 75 cts. postpaid.

HENRY A. DREER,
714 Chestnut St., Phila., Pa.



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Send your business direct to Washington. Saves time and insures better service. Personal attention guaranteed. Twenty-five years' active service. SPECIALTY: "Working on the Failures of Others."

SIGGERS & SIGGERS

PATENT LAWYERS

Box 9, National Union Building
Washington, D. C.

Special Extension of Sash Offer For Ten Days

NO doubt you think such an extension is rather peculiar after our flat-footed statement that "the offer would last only until October 6th, and not a day longer."

But listen! The last few days' mail brought in a large number of letters "kicking" about the short time limit put on the offer. Practically every one of the letters stated that the offer had not been seen until too late.

We didn't pay so much attention to the first few protests, but when they began to pile up, it became clear enough to us that the offer had either not been advertised broadly enough, or the time limit was too short.

So in all fairness to our protesting friends, we are going to give them—and you another chance to buy 25, 50 or 100 of our "Sash That Last" at the Special Prices named below.

Now get busy and send your orders!

On Tuesday, October 24th, you will have to pay the long price.



25 for \$1.05 each 50 for \$1.02½ each 100 for \$1.00 each

Lord & Burnham Company,

NEW YORK
St. James Building

BOSTON
Tremont Building

PHILADELPHIA
Franklin Bank Building

FACTORIES: IRVINGTON, N. Y.
DES PLAINES, ILL.
CHICAGO
Rookery Building

LOUISIANA RED CYPRESS GREENHOUSE MATERIAL

STEEL GUTTERS, TRUSSES,
PURLINS, PIPE, FITTINGS, GLASS,
Etc.

PRIVATE AND CONSERVATORY
WORK A SPECIALTY.

The Foley Manufacturing Co.
Western Ave. and 26th St., CHICAGO

GREENHOUSE CONSTRUCTION LUMBER

John C. Moninger Co.
117 E. Blackhawk St., CHICAGO.



Now is the time to investigate definitely, for your own particular profit, the advantages of the

Advance Apparatus

In hundreds of greenhouses under innumerable conditions, Advance Machines are today proving their ability and durability.

Tell us your needs and let us quote you prices.

ADVANCE CO., - Richmond, Ind.

The FLORISTS' HALL ASSOCIATION OF AMERICA, insurer of 32,500,000 sq. ft. of glass. For particulars address John C. Esler, Sec'y Saddle River, N.J.

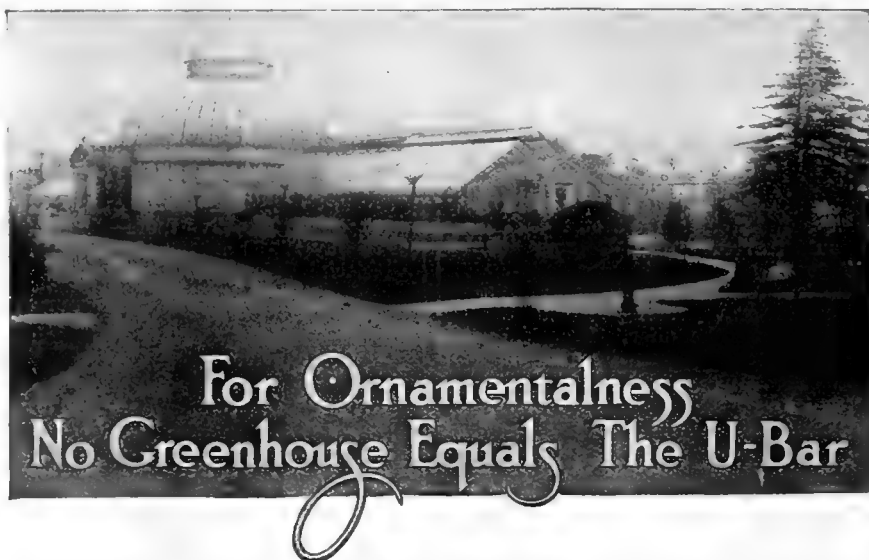
In ordering goods please add "I saw it in HORTICULTURE."

CYPRESS SASH BARS 32 feet or longer
HOT BED SASH
PECKY CYPRESS BENCH LUMBER
GREENHOUSES
ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

The A. T. STEARNS LUMBER CO.
NEPONSET, BOSTON, MASS.

Greenhouse Material and Sash
Of Every Description
Get our Prices and Catalogue
S. JACOBS & SONS
1359-1385 Flushing Ave.
Est. 1781. BROOKLYN, N.



This is the U-Bar.
The Bar That
Makes U-Bar
Greenhouses the
Famous Green-
houses they Are.

AT a glance that's apparent. The reason is, the U-Bar. To put it another way; you can put a gold plated harness on a heavy draft horse and hitch him to a swell little runabout—but with all his trappings he ambles along draft horse fashion just the same. So by the same token, putting a curved eave on a greenhouse does not make it a U-Bar curved eave house. It only looks something like it from the outside. A U-Bar house is distinctly different and it's the U-Bar that makes it so. Send for the catalog and find out just why.

U-BAR GREENHOUSES

PIERSON U-BAR CO

ONE MADISON AVE., NEW YORK
CANADIAN OFFICE, 10 PHILLIPS PLACE, MONTREAL

LILIUM HARRISII

(The Bermuda Easter Lily)

LET US supply your wants in Lilies this season

We think we can make it to your advantage to do so, as regards both quality and price.

The stock that we offer is not gathered indiscriminately from all kinds of sources, but is grown for us by a few selected growers, whose stocks have been worked up from the true, original stock. In order to ensure the health of the product, the bulbs are not grown on the same field oftener than one season, other crops being grown on the field the preceding year. The ground is thoroughly manured when the previous crop is grown, leaving it in a high state of cultivation, and when the lily bulbs are planted no fresh manure is used, and this prevents disease and ensures a crop of strong, healthy bulbs.

In addition to this, we do not dig our bulbs as early as they are usually dug, but leave them in the ground until they are thoroughly ripened and matured. When Harrisii is good, it leaves little to be desired. There is very little, if any, stock obtainable as good as the stock that we are offering. We are supplying only this one grade of selected stock, and when this is disposed of, we shall have no more to offer.

While the quality of the stock that we offer is of the highest, our prices are as low as, or lower than, the prices of those who offer the ordinary stock gathered from indiscriminate sources. We are sure buyers will find our stock very satisfactory, and much more so than the Japan-grown Longiflorum, which has badly deteriorated in recent years.

Bear in mind that we were the original introducers of Harrisii in Bermuda, and that we have exceptional facilities for obtaining our present supplies. Also take note that the smallest bulbs that we offer are 6-7 inch bulbs, not 5-7 inch, as usually offered.

6-7 inch bulbs, 335 to the case, \$15.00 per case; full thousand lots, \$40.00 per 1,000.

7-9 inch bulbs, 200 to the case, \$16.00 per case; full thousand lots, \$75.00 per 1,000.

9-11 inch bulbs, 100 to the case, \$18.00 per case; full thousand lots, \$175.00 per 1,000.

FERNS

We have an exceptionally nice lot of ferns in the following varieties,—good, bushy, well-grown plants that will please the most critical buyers. Plants have been grown in pots, and are thoroughly well established and nicely finished.

Nephrolepis Bostoniensis and Piersoni, 6-in. pots.....\$0.50 each

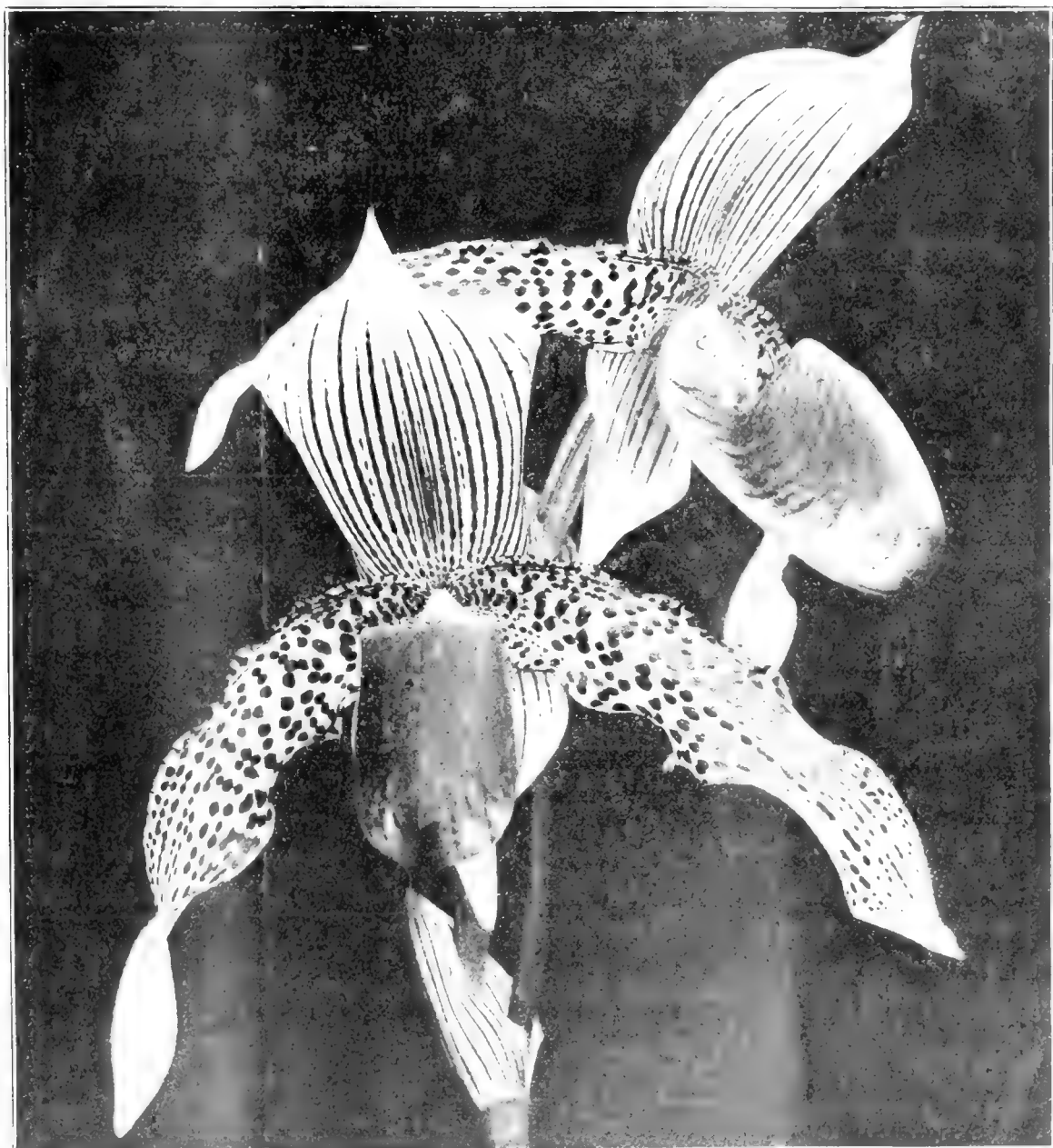
Nephrolepis Elegantissima, Piersoni, Bostoniensis, and Harrisii, heavy 8-in. plants.....\$1.00 to 1.50 each

Nephrolepis Elegantissima, Bostoniensis, and Harrisii, heavy 10-in. plants 2.50 each

F. R. PIERSON COMPANY, Tarrytown-on-Hudson, NEW YORK

HORTICULTURE

Vol. XIV. OCTOBER 21, 1911 No. 17



CYPRIPEDIUM MAJUS



DEVOTED TO THE
FLORIST, PLANTSMAN, LANDSCAPE GARDENER AND KINDRED INTERESTS

PUBLISHED EVERY SATURDAY AT 11 HAMILTON PLACE, BOSTON, MASS.

SUBSCRIPTION, \$1.00 PER YEAR



"It's Rice for Quality and Price"

RICE STANDARD CYCAS



It's just the best thing ever happened. Prices are right. And say! By all means get our special, liberal proposition on this crack-a-jack leaf. Send us a postal for sample and the big news.

We are **SOLE AGENTS** for this everlasting, natural leaf, not painted or varnished.

M. RICE & CO. 1220 Race Street **PHILADELPHIA, PA.**

The Leading Florists' Supply House, and Ribbon Specialists
If You Are Not "Catalogued" Get One

Lest You Forget, We Say It Yet,
—USE OUR—

SPRINKLEPROOF RIBBONS and SPRINKLEPROOF CHIFFONS

TRADE MARK

TRADE MARK

Their merits appeal to every florist, large or small.

THREE STRONG REASONS for patronizing the **NATIONAL FLORAL RIBBON HOUSE**
QUALITY! ORIGINALITY! LOW PRICES!

Samples upon request.

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Plicatum, 18 to 24 in.	1.00	8.00	75.00
Plicatum, 12 to 18 in.	.75	6.00	40.00
Plicatum, 2 to 3 in.	.50	2.50	20.00
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Candida, 3 to 4 ft.	1.00	8.00	75.00
Eva Rathke, 2 to 3 ft.	1.25	10.00	90.00
Rosea, 2 to 2½ ft.	1.00	8.00	75.00
Variegata, 3 to 4 ft.	1.35	11.00	
ROSES:			
American Pillar, 3 yr.	35.00		
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In addition to this, we do not dig our bulbs as early as they are usually dug, but leave them in the ground until they are thoroughly ripened and matured. When *Harrisii* is good, it leaves little to be desired. There is very little, if any, stock obtainable as good as the stock that we are offering. We are supplying only this one grade of selected stock, and when this is disposed of, we shall have no more to offer.

While the quality of the stock that we offer is of the highest, our prices are as low as, or lower than, the prices of those who offer the ordinary stock gathered from indiscriminate sources. We are sure buyers will find our stock very satisfactory, and much more so than the Japan-grown *Longiflorum*, which has badly deteriorated in recent years.

Bear in mind that we were the original introducers of *Harrisii* in Bermuda, and that we have exceptional facilities for obtaining our present supplies. Also take note that the smallest bulbs that we offer are 6-7 inch bulbs, not 5-7 inch, as usually offered.

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THE NEW ENGLAND NURSERIES, Inc. BEDFORD, MASS.

Fruit and Vegetables under Glass

MADRESFIELD COURT AS A LATE GRAPE

Madresfield Court is a grape of many peculiarities all its own. The shape of bunch and berries, flavor, growth, and its fruiting properties, are all very noticeable. The nature of its origin has been given in varying ways, but Barron's Book on Vines gives it as, "A hybrid raised by the late Mr. Cox, gardener to the Earl of Beauchamp, Madresfield Court, Worcester, England, by crossing Muscat of Alexandria with Black Morocco," and this parentage can be traced in the offspring. It has decidedly a Muscat flavor and shape of berry and is very fruitful, nearly every lateral showing a flower truss. The color of the berry and the way the foliage dies off seem to be the chief identifications of the other parent—Black Morocco. This latter is a late grape and when Madresfield Court was first sent out, it, too, was included as a late variety and grown as such for a time. Some gardeners today include it in a late

advantage of being in danger of getting bruised when watering and syringing. No. 2 is pear Conference, carrying twelve fruits, a big crop for a twelve-inch pot. No. 3 is apple Cox's Orange Pippin, with twelve fruits; never a large apple, but splendid for dessert.

STORING ONIONS

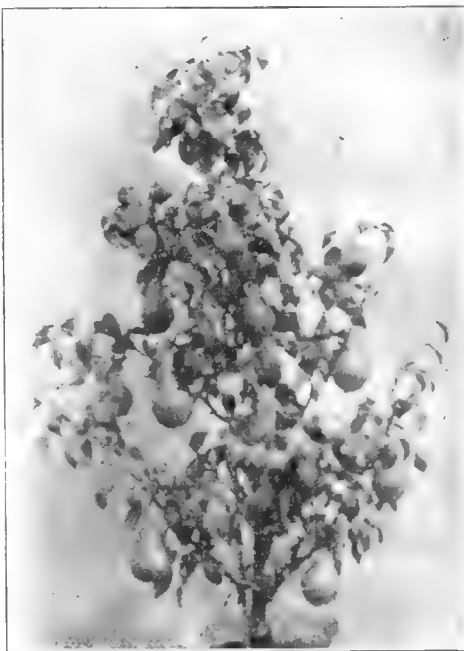
The keeping properties of onions are greatly decreased by improper storing. Having been grown and housed they should receive enough attention to ensure a minimum loss until used. Onions are best laid thinly on shelves made of laths or narrow boards with a division between each so that the air has a chance to get all around, or tied on to strings—"traced," as some term it—and suspended from the roof or ceiling, a job which will often give employment on some wet day. Onions like a nice dry atmosphere where all frost is excluded.

ENDIVE

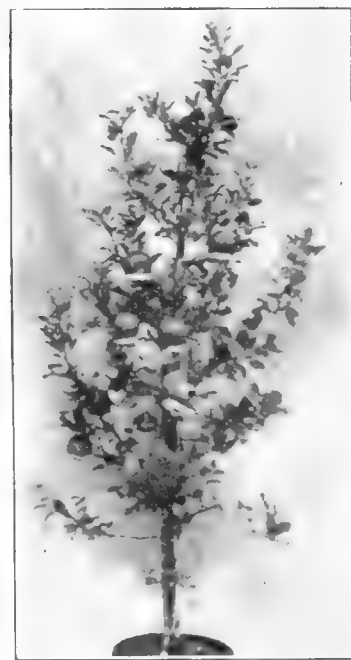
Endive is very similar to lettuce to cultivate, the blanching only being different. Treat as lettuce until plants are grown, when it will be necessary to darken



No. 1—Pear Pitmaston Duchess



No. 2—Pear Conference



No. 3—Apple Cox's Orange Pippin

house, but it is a mistake to grow it as a "keeper;" in fact it is an early grape and it is more profitable to grow it as such. The chief points which are against it for late work are a great liability to crack if not properly handled, if given too much fire heat the berries will soon shrivel, and after retaining its color for a week or so it will often go back to a reddish black instead of having the deep bloom it should. It has many points in its favor for early work, viz., very easy to grow, always fruitful, easy to set and splendid flavor. When all is considered and the points weighed up, the balance will be in its favor for early instead of (as some still think) for late work. This variety is always very partial to air and where possible should be given more than other vines, especially so when being grown as a late variety, this is most helping to prevent cracking.

POT TREES

The pictures above show three pot trees as grown this season. No. 1 shows Pitmaston Duchess pear carrying seven fine fruits. The crop here is rather low down, owing to a scarcity of flowers, and has the dis-

advantage of being in danger of getting bruised when watering and syringing. An inverted pot can be placed over each, or part of the bench or frames covered over. It is better to do a portion at a time as the plants will keep longer when the leaves contain their usual quantity of chlorophyll.

RHUBARB

Rhubarb intended for forcing can be lifted as soon as the early frosts have cut down the top growth and placed in some covered position with a little straw around them to keep the sun's rays from the roots. By so doing the later frosts will take more effect and the roots will be in a better condition for early forcing. See that the plants are watered for want of rain, and applying liquid manure in the morning and evening if it is shining, so that the roots are dry before night.

George H. Pencon

Somerville, N. J.

Seasonable Notes on Culture of Florists' Stock

ERICAS

Ericas such as *Erica melanthera*, *E. hyemalis* and *E. gracilis*, that are wanted for Christmas, should be run anywhere from 45 to 50 degrees at night, but at no time should this temperature be exceeded, for they resent any extremes such as are used to force other plants into flower. In ventilating beware of all piercing winds that we are bound to have at this changeable part of the year, but always try to keep the atmosphere from becoming in any way stuffy or stagnant, a condition which is very injurious to this class of plants. Keep your air in a buoyant condition and you will greatly assist them in warding off an attack of mildew. When this disease shows itself on any plant remove the plant at once as it is very contagious, and blow sulphur through and over the plants until the attack is checked.

LILIES FOR THE HOLIDAYS

Plants of *Lilium Harrisii* that are wanted for the Christmas trade should be pushed from now on. Where you have lilies that have their pots well filled with roots and are in a healthy condition, you can force them hard, say anywhere from 65 to 70 degrees at night, with ten to fifteen degrees higher during the daytime with sunshine. Give them a bench where they will be as near the glass as possible. Lilies delight in atmospheric moisture, so it is advisable to thoroughly damp down your house twice a day, especially in bright weather, so as to prevent a harsh and dry atmosphere; also give them free syringing overhead on all good days. To enlarge the flowers and give color to the foliage, apply liquid manure twice a week. To keep the aphids from getting a hold fumigate once a week. Now that days are growing shorter, and with the solar heat on the decline, you should be able to count the buds the first week in November, if you want to be sure of your lilies being on time for the holidays. It is a very easy matter to hold them back at this season of the year.

POINSETTIAS

When the bracts begin to form they will need an advance in the temperature, say to about 60 degrees at night. These plants soon impoverish the soil, so just as soon as the bracts can be seen give them manure water twice a week, but only in moderately weak doses, for if made too strong it will cause them to lose their foliage. Keep them nicely tied up. Pay attention to watering now, for an even amount of moisture at the roots is necessary if you want good foliage and intensity of color in the bracts. Where you are troubled with mealy bugs, or other insects, to apply quite a strong force of water to dislodge them, for this is the only means to keep down this pest. In order to have cut poinsettias in a presentable shape for decorative purposes, cut the stems, not farly after they are cut, be sure to cut off one inch of the ends in boiling water for a minute or so; this does not prevent the absorption of water by the stems, and the foliage as well as the bracts are consequently preserved fresh.

SWEET PEAS

To grow sweet peas successfully, ventilation is one of the first points to be observed. Now that the cool nights are coming on, and the heat running through the house, be sure to keep the ventilators open a little at the top; this will give them a cool dry

atmosphere which is a good preventive for the dropping of buds. To ensure a free healthy growth it is always better during spells of rainy or misty weather to have a little heat and ventilation at the same time. Don't run your sweet peas too high, which only leaves them weakened in constitution, from which they do not easily recover. Keep them anywhere from 45 to 50 degrees at night and during sunny days 65 to 70, which will allow them to develop gradually in their proper temperature. Keep them well supported from time to time so as to have nice straight growth later on. As the days grow shorter the utmost attention should be paid to watering. While they always like plenty of moisture at the roots they will not stand a continual over-moist condition at the roots, so let them dry out once in a while. Make a sowing now in 4-inch pots; these will bring you a crop in February which will last for about three months if cared for properly.

WINTERING CANNAS AND DAHLIAS

When storing these roots away you cannot use too much care in having the different varieties labeled and placed by themselves, so when you need them again you will know just what they are and where they are. Leave all the soil that will cling to roots of cannas and they will keep in a much better condition for it. They will keep fine on boards beneath a carnation bench. When lifting dahlia roots choose as dry a day as possible and shake most of the soil off, then turn them upside down to allow any water to run off the crowns before storing them away. They will keep in a cool, dry cellar that is secure from frost.

John J. M. Farrell

Mr. Farrell's next notes will be on the following: Care of Roses; Cymbidiums; Callas; Ferns for the Table; Freesias for Christmas; Lifting Shrubs for Forcing; Primulas for the Holidays.

Cypripedium x Mabeliae

This beautiful cypripedium is a hybrid between *C. Rothschildianum* and *C. superbians* and is fairly intermediate between those two species. The ground color is white, suffused with greenish yellow towards the center. The many spots on the petals and the lines on the dorsal sepal are deep purple, and the lip is suffused with dull purple on a pale green ground. As to size and shape of the flowers, the picture speaks for itself being just a trifle under life size. The flowers are carried on a stout, hairy scape a foot or more in length and last a long time in perfection. The leaves are broad, shiny, bright green beautifully tessellated with a darker shade of green. It is a free grower and well worth a place in any collection of orchids.

This fine hybrid was first raised and exhibited by W. R. Lee (England) in 1894. It has since been raised in several other places and has been exhibited under at least seven or eight different names; *Cypr. W. R. Lee* and *C. Lord Derby* are perhaps the two most common names for it. *Cypripedium Mabelianum*, *C. Massaianum*, *C. Andronicus*, *C. Mrs. Harry Smith*, *C. Rothschildiano*—*superbiens* are other names for the same hybrid.

M. J. Cope

Naugatuck, Conn.

For Closer Relations Between Commercial Horticulture and Scientific Institutions

A Communication from Professor Charles S. Sargent to the Horticultural Club of Boston.

Mr. John Farquhar, President, Horticultural Club of Boston:

My Dear Mr. Farquhar: The formation in Boston of a Horticultural Club, which is intended to be National in its membership and in its field of operation, is a matter of public importance and public interest. For the first time in this country it affords opportunity for concentration and effective effort in several directions. To speak only of one of the benefits to the country, which the community has a right to expect from such an organization as you propose, it should be able to bring Commercial Horticulture in closer touch with Science.

In most European countries are nurserymen and seedsmen whose names are known and respected by everyone who cultivates plants. These firms, for generations sometimes, have kept themselves in constant communication with the great National Scientific Gardens. They have often rendered these Gardens important services, and through their enterprise, intelligence and forethought, have done much for the world, and made themselves rich and powerful. Some of the most important botanical discoveries have been made by European nurserymen, who with rare sagacity and business good sense have hunted the world over for new plants. The remarkable increase of sugar in the beet and the greater product of the wheat field are due to the labor of a Paris firm working patiently from generation to generation along scientific lines. Such firms are looking everywhere for improvement and novelty. The principle which underlies their effort is not to supply the public with cheap and inferior material, but to find or create better material, and then teach the public to appreciate and buy it.

In this country, however, Commercial Horticulture is slow to take advantage of its opportunities for its own improvement and that of the public. To illustrate this, I need only refer to the Arnold Arboretum. This is a museum of trees and shrubs and a station for increasing the knowledge of these plants, by study, experiment and explorations. It has now for many years been active in the botanical exploration of North America, and more recently it has worked in Japan, Korea, Manchuria, eastern Siberia and western China. It contains the largest collection of trees and shrubs in North America, and few European collections are richer. It is well known in Europe; the heads or the principal officers of some of the National Gardens have found it worth their while to cross the Atlantic to visit it; it is in constant correspondence with the principal nurseries of Europe, to which the Arboretum is greatly indebted. Every tree lover, professional or amateur, who comes to America soon turns his eyes towards Forest Hills. To American Commercial Horticulture, the Arnold Arbor-

etum however, is hardly more than a name. Occasionally an American nurseryman passes an hour there, generally in the middle of a hot summer day, and then goes on his way. I do not believe there is a single one of them who knows the collection or its richness in commercial possibilities. What is true of American nurserymen is true of many American park superintendents, and of most American landscape gardeners. This is a cause for general and national regret. The Arboretum fails of its duty and of its purpose, if it fails to make known to the country generally the value contained in its collection. This can only be done by nurserymen. A plant taken up by the trade in the course of a few years becomes known to thousands of people in different parts of the country, who might never have the opportunity to see the Arboretum.

I have realized for several years the necessity of closer relation between the Arboretum and the important nurserymen of the country, but our efforts to bring this about have not met with much success. A few years ago, at his request, we sent to a prominent American nurseryman a collection of rare plants, selected by himself, with the understanding that he was to propagate them and put them on the market. A few months later I found that he had sold the collection as he had received it, to one of his customers. To another firm even better known than the last, the Arboretum once sent a collection of plants from northern China, which were quite unknown at that time. A few years later, I found them in the row where they had first been planted, crowded together, choked by grass and ruined. Some of the same plants sent at the same time to European nurserymen, judging by the way they have been advertised, have produced considerable sums of money.

Hardly a week passes that does not bring letters to the Arboretum asking where plants seen there can be bought. In nine cases out of ten, we are obliged to send in reply the name of a European nurseryman. This usually means that the would-be purchaser goes without his plant, for it is not easy to import a single plant, or even a half-dozen, and to persons not accustomed to doing business in Europe it appears more difficult than it really is.

Here then seems to be one field of usefulness, that the Horticultural Club can properly enter, the bringing about of a better appreciation than now exists, of the necessity of a closer relation between American Commercial Horticulture and the Scientific Gardens and Experimental Stations of the country, of which the Arnold Arboretum is only one, and the most limited of them all in scope, as it deals with only two classes of plants.

Wishing you every success in your new efforts for the advancement of Horticulture, I am,

Very truly yours,

C. S. Sargent

Brookline, Mass., October 2, 1911.

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Boston Chamber of Commerce enlisted, something broadly practical is sure to come out of the present agitation. The Industrial and Educational Exposition at Mechanics' Building, of which this fruit display at Horticultural Hall is only one department, is the largest affair of its kind ever held in New England. If it results, as hoped, in diverting to local development some of the capital and brains which New England men have ever been ready to lavish on remote enterprises, this stupendous undertaking will have well-repaid the work of its promoters.

Comparatively few persons, even amongst horticulturists, realize that it is unnatural for bulbous and tuberous-rooted plants to be out of the ground at all. Under natural conditions, hyacinths, tulips, narcissi, crocus, scillas, snowdrops and other such plants, begin to make new roots and upward growth very early in the autumn. Even the latest flowering tulips, the Darwins, which may have remained in the ground since last spring will be found to have made roots several inches long and shoots from the top of the bulbs an inch or more in length. Such bulbs will bloom earlier and produce stronger flowers than freshly imported bulbs of the same varieties planted now. It is better that all Holland bulbs be planted as soon as possible after arrival in this country. When planted early they immediately begin to send out roots, and if an abundance of these are developed before cold weather the bulbs are in better condition to survive the winter and will produce stronger blooms in proportion to the greater amount of root growth. Crocus corms are more affected by being kept out of the ground than are most of the real bulbs. They deteriorate very rapidly when kept in a dry state. Not only will the purchaser of bulbs be benefited by early planting, but the dealer will gain materially by getting this stock off his hands at the proper season.

In our editorial observations last week we took occasion to call our readers' attention to the situation of large opportunity so admirably presented by Mr. Farquhar in his address at New York on the Horticultural Outlook. It is our privilege to place in the hands of the thoughtful horticulturists of the country, in this issue, another notable contribution to the fund of wise counsel to which, at the present juncture, we believe the commercial horticulturist should give heed—this time from the pen of Professor Charles S. Sargent. "To see ourselves as others see us" is always helpful and when Prof. Sargent calls attention to the "enterprise, intelligence and forethought" of foreign nurserymen and places in comparison the slowness hitherto of the American trade and their apparent indifference to the profit and honor which are within their reach it behooves us to give more than passing thought to the admonition. It is conceded, of course, that general conditions in this country are substantially different from those prevailing abroad and that the attitude of the general public thus far has not been such as to encourage enterprise in the finer fields of horticulture. But observant judges now see that the time has come when the men who desire to be successful in the nursery and the other enterprising wedge of the horticultural business should "show" American horticulture the same enterprise and intelligence which the Arnold Arboretum has shown in its knowledge of the new forms of plant life constantly being brought to light by the expeditions and collecting tours conducted by the U. S. Geographical Commission. We certainly hope that Professor Sargent's plea may have the effect of awakening a deeper interest in these things among the commercial horticulturists of our country.

NEW ENGLAND HORTICULTURAL SOCIETY. The New England Horticultural Society, organized in 1884, has for its object the promotion of horticulture in New England. It has a membership of over 1,000 and holds annual meetings. The society has a library of horticultural books and a collection of seeds and plants. It also publishes a journal, the New England Horticulturist, which is a valuable source of information for horticulturists in the region. The society's efforts have been instrumental in the development of horticulture in New England, and it continues to be an active force in the field.

Obituary

J. A. McKee.

J. A. McKee, nurseryman, of King's Mountain, Ky., died recently at the age of 84. One son and a daughter survive him.

Bert Anderson.

Bert Anderson, formerly a florist at Greeley, Colo., died in Chicago on September 23, and was buried from the home of his sister in Davenport.

Mrs. Letitia Peel.

Mrs. Letitia Peel, who for twenty-six years has conducted a florist establishment on old Lawrence street, Flushing, N. Y., died on October 12, aged 78 years.

Mrs. Mary Therese Russell.

Mrs. Mary Therese Russell, widow of Thos. L. Russell, died on Oct. 14 at her residence, 132 Seventh avenue, Brooklyn, N. Y., aged 47 years. She was for some years a florist in South Brooklyn and her late husband was a traveling representative for the Florists' Exchange for some years, writing over the name of Peripatetic. Mrs. Russell was born in Ireland. Two sons and one daughter survive her.

Patrick Kelly.

Patrick Kelly, 60, for years in business as a gardner on the East Side, Providence, R. I., was found dead in bed at the home of James W. Collins, 11 Howell street, on October 16. The bedroom was filled with gas, pouring from open jet, but a wide-open window at the head of the bed indicated that death was due to accident. It was also found the gascock was loose. Kelly was last seen by members of the Collins family on Saturday night. He had been employed by numerous residents of College Hill.

Thorwald Jensen.

This well-known florist died at his home, Mamaroneck, N. Y., on October 9, aged 67 years. Interment was at Rye Cemetery, October 11. Mr. Jensen was a very successful carnation grower for the New York market, especially in the days when Lady Emma and Portia were in their prime of popularity as scarlet varieties. He grew them in large quantities and high qualities. He has been located in Mamaroneck for about thirty years. Mr. Jensen was a companionable gentleman and leaves a large number of friends to mourn his loss.

Nanette Huebner.

Nanette Huebner, niece of Mrs. Frank Ben, Chicago, with whom she had made her home for four years, died suddenly, September 29th, after an illness of but a few hours. She was born in Beyreuth, Germany, 20 years ago and came to this country to make her home with and assist Mr. and Mrs. Ben in the greenhouses and had made many friends among the young people. The funeral was held from the residence, October 2nd, six young ladies acting as pallbearers. Her death occurred four years from the day she arrived. Interment was in Montrose Cemetery.

TWO GOOD ROSES.



The accompanying picture shows the two roses sent out by Peter Henderson & Co. in 1910—Silver Moon and Dr. Van Fleet—growing in Mattapoisett, Mass., at the residence of Miss Alice Stackpole. They were purchased on the strength of HORTICULTURE'S description of them and planted in May, 1910. The photograph was taken July 3, 1911. Miss Stackpole, in an interesting letter concerning these roses, writes as follows:

The first year their canes were ten or twelve feet long, and I wrote to Henderson to ask if they were really hardy. They answered that they had not been tested north of New Jersey, so I earthed them up

eight inches and gave the canes a light covering of straw. Very little of the wood was lost. One plant of Dr. Van Fleet I left in an exposed place and only put dressing around the roots. The wood was killed back so far that I shall protect it this winter. A neighbor has both these roses on a stone wall and they went through the winter without protection.

The Silver Moon is the nearest rose Dr. Van Fleet is on the two centre pillars, and the rose at the furthest corner is Ard's Pillar, and all have now reached the upper story. These roses are not only lovely in bloom, but have beautiful glossy foliage. Silver Moon is quite four inches across, and Dr. Van Fleet, while not very full, is an exquisite shade of pink and lovely in the house.

It is a pleasure to find roses that are quite all they are described, and I hope Christine Wright will turn out as well.

coming to this country and reaching Boston when in his 22nd year. When we first knew him a quarter century ago, he was a grower of miscellaneous stock in Pearl River, New York, where he had a small range of greenhouses. Four years ago he started a retail flower business in Greenwich and has been doing well. He was a very skillful and tasty decorator and, as a man, was respected and beloved by a large circle of friends in the business.

Charles A. Fox.

It is with deep regret that we have to publish the news of the death of Charles A. Fox, one of Baltimore's oldest florists, who passed away on Saturday last at his late residence, 202 Bolton street. Death was caused by the infirmities of old age. Mr. Fox having seen eighty milestones pass him on the way. He had been located on Bolton and Dolphin streets for the past fifty years or more and was one of the foremost of the florists and ornamental horticulturists of the city. His widow, Mrs. Eliza Fox, two sons, William J. and Charles A. Fox, Jr., and three daughters, Margaret, Jane and Nellie Fox, survive him. He was a long member of the Church of the Immaculate Conception and from time he was buried on Tuesday last in the Bonae Prae Cemetery. He leaves behind him a host of saddened friends. Mr. Fox was ever well liked and his passing away is a matter of deep regret.



ROBERT MACMILLEN

very peacefully, Oct. 9th. He died of an abscess on the brain which was hopeless from the first. He was buried in Putnam Cemetery, Greenwich. The funeral services were from his late residence, 60 Arch St., Thursday, Oct. 12. He is survived by his wife. Mr. MacMillen was a native of Scotland.

CLUBS AND SOCIETIES

NEW JERSEY FLORICULTURAL SOCIETY.

The New Jersey Floricultural Society held their sixth annual Dahlia Show in Lindsley Hall, Orange, N. J., Friday afternoon and evening, October 13th. On account of the dahlias being so late in flowering this year, there were not so many entries as usual, but the quality of the exhibits was excellent and the show was well patronized by the public. Lager & Hurrell, Summit, Joseph A. Manda, West Orange, and Thos. Jones, Short Hills, put fine displays of orchids, Joseph A. Manda receiving first-class certificates; Lager & Hurrell, cultural certificate. William Tricker, Arlington, N. J., showed a fine collection of outdoor roses, for which he received a first-class certificate. He also showed *Aconitum Fischeri* and *Actea japonica*, and was awarded cultural certificate.

Walter M. Gray, Maplewood, N. J., carried off the gold medal offered by Lord & Burnham Co. for the best 60 dahlias, Show, Decorative and Cactus, 20 flowers of each. He was also first for 12 Show, 12 Decorative, and 12 Cactus, each in three varieties, six pink Cactus in two varieties, and one Decorative. Charles Hathaway, Max Schneider, gardener, was first for six maroon; Manton B. Metcalf, Geo. Wraight, gardener, second; A. B. Jenkins, Fritz Berglund, gardener, third. M. B. Metcalf, first for six white Show; Charles Hathaway, second. M. B. Metcalf, first for six pink Show and six red Decorative. A. B. Jenkins, first for six red Show and for 50 Single. Thomas Edison, George B. Wilson, gardener, first for six Cactus. Mrs. Peirson, Charles Ashmead, gardener, first for seedling dahlias not yet disseminated.

Certificates of merit were awarded to A. C. Von Gaasbeck for dahlias; Mrs. Wm. Barr, Emuel Pannucka, gardener, for seedling dahlias; S. M. & A. Colgate, Wm. Reid, gardener, for *Begonia Gloire de Lorraine*, Killarney roses, dahlias, roses; Charles Hathaway, for chrysanthemums; Wm. Runkle, D. Kindsgrab, gardener, for dahlias and apples; Walter M. Gray, for dahlias; A. B. Jenkins, for orchid plants, and George M. Wardwell, for dahlias. Certificate of culture to A. C. Von Gaasbeck, John Derven, gardener, for Killarney and Bridesmaid roses.

In the monthly competition for points the following awards were made. Class A: S. M. & A. Colgate, vase carnations, 87; roses, 82; *Oncidium varicosum*, 93. Lager & Hurrell, *Laelio-Cattleya luminosa*, 94. Thos. Jones, *Cattleya labiata*, 92. Class B: A. B. Jenkins, vase roses, 87. Charles Hathaway, *celosias*, 85.

The judges were Arthur T. Caparn, Peter Duff, and James Carswell.

The Society is making arrangements for its annual Chrysanthemum Show to be held on Friday afternoon and evening, November 10th, at No. 240 Main street. The silver cup offered by John R. LeCount has been put up for the best display of orchids, space not to exceed 25 square feet, second prize to be given by friends of the Society. Three prizes are offered by the Society for the best 12 blooms of chrysanthemums, six varieties, two

blooms of each. Two special prizes have also been donated by Elmer D. Smith, Adrian, Mich., for the best vase of six novelty chrysanthemums of 1911.

WILLIAM REID, Sec'y.

WORCESTER COUNTY HORTICULTURAL SOCIETY.

At the annual fall exhibit of the Worcester County Horticultural Society in Horticultural Hall, Worcester, Mass., October 12, there was an excellent showing of fruit, also a display of hardy shrubs by William Anderson, gardener for Bayard Thayer of Lancaster and stove plants from George McWilliam, gardener for G. Marston Whitin of Whitinsville. These latter were arranged in a mound effect in the center of the hall, and made a pleasing contrast to the many colors of the fruit, arranged on the surrounding tables.

The platform of the hall was banked with palms from the H. F. A. Lange greenhouse.

The annual dinner at 12.30 o'clock was followed by a short program of speeches. President Edward W. Breed of Clinton presided, and spoke of the loss to the society in the death of Adin A. Hixon, who served for over 20 years as secretary and treasurer, and the company gave three minutes' silence in his memory.

J. Lewis Ellsworth, secretary of the state board of agriculture, spoke briefly of apple growing methods in the west.

W. D. Ross announced the awards on ensilage corn competition for which he had offered a premium of \$50 in gold. The award was won by Mrs. H. W. Harris of Adrian, Mich., who produced over 68 tons on an acre of ground.

Other speakers were J. K. Greene and Dr. Geo. E. Francis, and a demonstration of apple packing was given by J. B. Castner of Hood River, Ore.

CINCINNATI FLORISTS' SOCIETY.

The October meeting of the Cincinnati Florists' Society was well attended. The executive committee of the flower show reported that J. M. McCullough's Sons Co., J. Chas. McCullough and R. Witterstaetter had donated silver cups for prizes. Messrs. Phil. Breitmeyer, Otto Koenig and I. Bertermann have consented to act as judges. Wm. Sunderbruch, Jr., Chas. Witterstaetter, Jos. Beran, Emmet Suttmiller, Ed Bossmeyer and Harry Sunderhaus were, under a suspension of the rules, elected to membership by acclamation. A committee consisting of C. E. Critchell, P. J. Olinger and C. H. Hoffmeister was appointed to submit plans for entertaining visiting florists.

The invitation of A. Ostendarp and A. C. Huhman, Jr., of the Cincinnati Cut Flower Exchange, to hold the meeting on Saturday, November 11th, at their place of business was accepted. A special meet'g will be held at the club rooms on October 23rd.

E. G. Hill of Richmond, Ind., was on hand. He showed a vase of his yellow rose Sunburst, that gained the admiration of all by its fine points. Mr. Hill also talked entertainingly of European shows, especially in "merrie olde England."

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

This club held its second meeting of the season on Tuesday evening, the 17th and there was a large attendance of members. After the minutes of the last meeting had been approved J. K. M. L. Farquhar made some very interesting remarks respecting the closer affiliation of the club with Amherst College and reported what the committee had done with regard to the suggestion from Prof. White that the committee spend three days in inspecting the greenhouses and other work. Mr. Farquhar thought that a sub-committee of three members should be appointed and it would be possible for them to see and report upon all there was to be seen at Amherst in a much shorter space of time. It was resolved that further time be allowed. Three new members were elected, and among the visitors was Mr. E. O. Orpet, Lake Forest, Ill.

The subject for the evening was bulbs, Wm. Patterson, Wollaston, Mass., being the first speaker. He emphasized the value of obtaining good hard bulbs and said that for pots and boxes the best compost consisted of two-thirds loam and one-third well-rotted manure. It is important to get the bulbs potted as soon as possible after arrival and not allow them to become hard frozen while in the open. The medium growing varieties, he said, were preferable to late growing ones for market work.

Robert Cameron read a very interesting paper on Bulbs for Bedding Purposes and referred specially to some of the more beautiful and uncommon sorts. He spoke highly of the naturalizing of bulbs which has been so successfully practiced in the park system of Boston and hoped this would be the means of inducing others to do likewise. Mr. Cameron mentioned the best varieties in each section but he referred particularly to the new Poetaz varieties and fully emphasized their value. This speaker made special mention of the fact that bulbs were generally kept much too dry in American seed stores and it was necessary to go to Europe to get the best. John Duguid of Natick, gave a talk on Planting Bulbs in Grass, etc., giving in detail the best methods of procedure.

Exhibits were not numerous but very noticeable were R. & J. Farquhar & Co.'s displays of *Viola cornuta* purplea, a fine rich purple variety and four vases of roses—viz. Radiance, Lady Hillingdon, Prince de Bulgarie and Mrs. Aaron Ward. From S. J. Goddard, Framingham, came carnations, the new White Wonder being very promising. Wm. Downs showed a fine branching specimen of *Celosia Thomsonii* pyramidalis, evidently a good type. Chrysanthemums in variety came from W. W. Edgar, Waverley, and from James Wheeler a fine vase of Enchantress carnation.

ST. LOUIS FLORISTS' CLUB.

The St. Louis Florist Club held a very interesting meeting on Thursday afternoon, Oct. 12th, in Odd Fellows' Hall. Vice-President Vennemann opened the meeting and Ex-President Fillmore at once proceeded to install President-Elect Robert J. Windler, who

at once took charge and handled the meeting like an old timer. After the opening preliminaries Secretary Beneke read a letter from the florists of San Francisco, Cal., saying that they were organizing a club and asking for a copy of the by-laws, which will be sent.

The next meeting comes in flower show week when the chrysanthemum society meets here. It was decided to entertain the visitors with a banquet. It was also decided to have an essay or discussion at each meeting hereafter. Dave Geddes then gave an interesting account of the recent Chicago trip and said the visitors were royally treated and all had a good time.

The queries from the question box brought, as usual, good and interesting questions which took up the greater part of the afternoon. After adjournment President Windler invited the members to a little spread at Lippi's where the balance of the evening was spent.

Next meeting Thursday afternoon, November 9th, at 2 o'clock.

NASSAU COUNTY HORTICULTURAL SOCIETY.

The annual Dahlia Show of the Nassau County Horticultural Society was held in connection with the October meeting in Pembroke Hall on Wednesday afternoon, October 11. The awards were as follows:

Dreer cup for collection of dahlias—Won by Mrs. E. M. Townsend, gard. James Duthie; 2nd, Mrs. H. J. Bucknell, gard. Geo. Rarton.

Stern Cup for collection 25 varieties, Mrs. E. M. Townsend; 2nd, James Kirby. Twelve Cactus dahlias, 12 vars., 1st, James Kirby, 2nd, Mrs. E. M. Townsend. Twelve Decorative, 12 vars., 1st, Mrs. H. J. Bucknell.

Twelve Single, 1st, Parker D. Haudy, gard. J. O'Brien; 2nd, Mrs. E. M. Townsend.

Twelve Cactus, long stems, 1st, James Kirby; 2nd, Mrs. E. M. Townsend.

Twelve Decorative, 1 var., 1st, Mrs. E. M. Townsend; 2nd, Mrs. H. J. Bucknell.

Peony Flowered, 6 vars., 1st, Mrs. H. J. Bucknell; 2nd, Mrs. E. M. Townsend.

Six Cactus, 1st, Emmett Queen, gard. Geo. Ashworth; 2nd, Mrs. D. F. Bush, gard. Ernest Westlake.

Twelve Mixed, 1st, Mrs. H. L. Pratt, gard. H. Gant; 2nd, Mrs. F. S. Smithers, gard. V. Cleres.

Vase Pompons, 1st, J. Ingram; 2nd, Mrs. H. L. Pratt.

Vase Decorative, 1st, Mrs. D. F. Bush.

Vase cosmos, 1st, E. A. Reidenbach.

Vase cosmos, pink, 1st, Mrs. H. L. Pratt.

Vase gladiolus, 1st, Mrs. F. S. Smithers; 2nd, E. A. Reidenbach.

Honorable mention to J. O'Brien for seedling dahlias; A. Walker for vase of dahlias; James Duthie, vase of dahlias; Julius Roehrs, collection of orchids; Wm. Fitting, collection of vegetables.

The regular monthly meeting was held at 7 P. M.

The judges appointed for the monthly exhibits were Messrs. J. W. Everett, J. McDonald, P. Reul and their decisions were as follows: Celery—first, Jos. Robinson; cabbage—first, F. Petroccia; cosmos, F. Petroccia.

Julius Roehrs Co. offered \$10 for competition at the fall show and a letter was read from Vaughan's Seed Store offering a prize for the same show.

The president took occasion to present James Duthie with the silver cups he so decisively won with two splendid collections of dahlias.

The Society's prize in November will be for chrysanthemums, three white, three pink, three yellow.

E. WESTLAKE, Rec. Sec.

AMERICAN ROSE SOCIETY.

Arrangement has been made at Detroit for the joint exhibition in January, 1912, to be held in Wayne Pavilion adjoining the Michigan Central Union Station where trains from New York, Boston, Philadelphia, Pittsburgh, Washington, Cincinnati, Chicago, etc., come in. The hall is spacious, so arranged that ventilation is readily adjusted.

The effort will be to make this a great popular show. The trolley lines come to the corner from all the surrounding country. The effort is being made to put out a prize list of value. The American Rose Society asks of all its friends support for the prize list.

The Annual Bulletin for 1912 will be mailed by Christmas and contains much matter of interest. The Carnation Society exhibits in the same hall at the same time.

We would be glad to hear from any and all intending exhibitors at an early date. The Detroit people will do all possible to aid the exhibition.

BENJAMIN HAMMOND, Sec'y.
Fishkill-on-Hudson, N. Y.

DETROIT PREPARATIONS.

Representatives of the American Rose and Carnation Societies have been here inspecting local halls, and the Wayne Pavilion, the largest, best-located and in every respect the most desirable was selected for the January convention. At a special meeting a committee consisting of Messrs. Phil. Breitmeyer, Alb. Pochelon, M. Bloy, Thomas Brown and Wm. Dilger were appointed to form the necessary sub-committees and select their membership from among the club members. On the following Saturday evening tentative division of committees were made as follows, subject to change, if necessary:

Managers—Dilger, Wells, Pautke.

Finance—Breitmeyer, Holznagle, Flowerday, Taepke, B. Schroeter, Geo. Brown, Watson.

Publicity—Sullivan, Fettes, Thos. Brown, H. Schroeter, Maynard.

Transportation—Sylvester, Miesel, Jr., Asman, Charvat, Becker, Rusch, Pickworth, Patterson, Plumb, Smith, Stevens.

Decoration—Pochelon, Danzer, Wailing, Davidson, Tossy, Nall, DeCaterat, Hermann, Boehm, Iverson, Wendt, Deinzer, Gowanlock, Warnke, Smith, Mitchell, M. Sullivan, Rowland.

Entertainment—Thos. Brown, Rahaley, Walt. Taepke, Dunn, Hunter, Heilscher, Stahelin, Boeslager, Unger, Beard, Scribner, Stock, Jean, Miller, Seligman, Cairns.

There will be nothing too good for our visitors, and no detail will be overlooked to achieve both fullest result from the business point of a convention and all the comforts and pleasures possible. FRANK DANZER.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

Department of Registration.

As no objections have been filed, public notice is hereby given that the registration of the begonia, "Feastii Bunchii" by Lloyd C. Bunch of Fredonia, Kansas, becomes complete.

H. B. DORNER, Secretary.
October 12, 1911.

NATIONAL ASSOCIATION OF GARDENERS.

A meeting of the executive committee of the National Association of Gardeners was held in Horticultural Hall, Philadelphia, on Tuesday, the 10th inst., to complete arrangements for the forthcoming convention at Madison, N. J., on Friday, October 27th.

The convention will be called to order at 2 o'clock in the James Building. As this is the first convention since the association has been incorporated important business will come up, principally the adoption of a new set of by-laws to conform with the charter. An election of officers will also occur, and several subjects will be brought up looking to the future welfare of this organization, which has been making rapid strides within the past year.

It is expected that J. K. M. L. Farquhar, of Boston, will address the convention on the gardeners' opportunities in this country; and J. Otto Thilow, of Philadelphia, has also promised to talk. Charles H. Totty of Madison, who has just been appointed chairman of the National Flower Show Committee will talk to the gardeners to urge them to lose no time in preparing for the next national show, which it is expected and hoped will be held in New York City in March, 1913.

A large attendance is looked for, and as the annual show of the Morris County Gardeners' and Florists' Society occurs in Madison at the same time and place, an additional feature of interest is added to bring many gardeners together.

HORTICULTURAL SOCIETY OF NEW YORK.

The annual fall exhibition will be held in the American Museum of Natural History, November 3rd to 7th. A premium list carrying about \$1,500 has been prepared. A little over one-third of this amount is allotted to the chrysanthemum, covering bush, standard, grafted and single-stem plants, and cut flowers. Orchids have been provided for by many prizes for collections, novelties, individual plants in bloom and cut flowers. Roses, carnations, fruits and vegetables, and foliage and decorative plants are included in the premiums.

Prizes are offered for decorations and floral pieces, and it is hoped that those who make a business of such decorative work will take advantage of the opportunities offered at this exhibition. Thousands of people who appreciate to the full this class of work visit the exhibition.

The American Museum of Natural History, not only one of the finest public buildings in New York City but also in the world, is centrally located and readily accessible by surface cars, elevated and subway. The spacious halls are admirably adapted to the exhibition of plants and flowers and provide ample opportunity for the proper display of specimen plants; if such are crowded together much of the beauty of individual specimens is lost.

Schedules will be sent upon application to the secretary, George V. Nash, New York Botanical Garden, Bronx Park, New York City.

NATIONAL CHRYSANTHEMUM SOCIETY.

It is indicative of the severity of the summer heat in England this year, a rather uncommon occurrence, that at the last floral meeting of the National Chrysanthemum Society there was not a small flower staged for adjudication. On October 4th and 5th the society's first show of the season was held at the Crystal Palace, Sydenham—the show devoted to the early-flowering varieties—and here again we had abundant evidence of the effect of an almost tropical summer upon our popular autumn flower. The great trade groups were lacking in their usual attractiveness, a feature not to be wondered at when we say that after the hot season was over and only three days before the show a biting frost came to make the disaster complete.

In the great miscellaneous groups so grandly contributed by the trade and which always do so much for the general effect of the show we noticed particularly one from Norman Davis. For effect it was unique and unsurpassed, the greatest taste being displayed in its arrangement. Verbal description would be of little avail. In the back row were some fine sheafs of brightly colored Michaelmas daisies at intervals arranged in tall supports. Here and there palms lent variety. The front row was edged with choice greenery. Along the middle were some vases of handsome big blooms set up with a delicate arrangement of autumn foliage. At the right and left-hand sides choice little lots of earlies and decoratives. The piece de resistance of the entire composition was unquestionably a magnificent stand of fifteen colossal blooms of White Queen, set up with a taste seldom equalled. Here and there we notice charming little lots of earlies of medium size, while to give emphatic expression there were some fine vases of the "Big Brigade," such as Tom Edwards, Norman Davis, D. B. Crane, Col. Converse, David Ingamells, etc. A gold medal was awarded.

H. J. Jones' lot was A1. In big Japs White Queen reigned supreme, there being three grand lots in a dainty setting of an immense collection of brightly colored Michaelmas daisies. Another gold medal went to this old friend of the society.

William Wells was there too in full force. A fine long table display of undoubted merit brought him the award of the society's gold medal. Big Jap blooms, singles, earlies, decoratives, phlox, and Aster amellus, etc., made a fine show. We cannot name the varieties—their name was legion—but White Queen again was of immense size and as with the other exhibitors is evidently a rare "doer."

Frank Brazier had a large silver gilt medal for Michaelmas daisies, a prettily arranged group. A large silver medal was awarded to Cragg, Harrison & Cragg for a nice collection of early decoratives.

J. Carter & Co. had a silver gilt medal for a very excellent collection of dahlias set up upon a circular stand. Kochias and asters formed the lowest outer edge, then came cactus dahlias, surmounted with vases of peony dahlias. On the ground floor the exhibit was edged with greenery. A silver

medal was awarded to J. B. Riding for a collection of the collarette dahlias, mostly French. Arthur Edwards staged table and room decorations and in the floral art classes there were many nice lots in baskets, vases, eperques, and stands of various kinds. In the dinner table decorations were about twelve competitors.

C. HARMAN PAYNE.

London.

WESTCHESTER AND FAIRFIELD HORTICULTURAL SOCIETY.

Regular meeting held in Royal Arcanum Hall, Stamford, Conn., October 13, 100 members being present, eight new members elected and five applications for membership. A good record? There was an interesting discussion on the preventive of rust on celery and the beauty and value of berried shrubs at this time of year. The first annual exhibition will be held in Stamford, Conn., November 3rd and 4th. Members are enthusiastic and indications all point to a large and successful exhibition. President Stuart urged intending exhibitors to try to be prompt in staging exhibits. The final schedule and tickets are ready and can be procured by applying to the secretary.

The judges reported as follows on exhibits:

Cultural certificates to James Stuart for nerines and Alex. Geddes for seedling carnation. Certificate of merit to A. Whitlaw for *haemanthus*. Vote of thanks to Robt. Williamson for collection of berried shrubs, P. W. Popp for chrysanthemums, J. T. Burns for apples, Clapboard Hill Farm for celery and apples.

J. B. McARDLE, Sec'y.

NATIONAL FLOWER SHOW COMMITTEE.

The National Flower Show Committee appointed by President George Asmus held a meeting in New York at the office of Traendly & Schenck last Monday. There were present: Messrs. C. H. Totty, chairman; W. P. Craig, W. A. Manda and Thomas Roland. Messrs. Valentine and Rudd were absent. The session was devoted to a general discussion of the ways and means and outlook for the proposed exhibition in New York City in 1913. An inspection of the new Grand Central Palace was made. This building gives over 76,000 square feet of exhibition space exclusive of aisles, etc., but the space is divided into three floors. The general sentiment in the meeting was that the time is already very short in which to get the preliminary work under way and immediate activity is imperative.

NEWPORT HORTICULTURAL SOCIETY.

A much admired rose exhibit was the feature of the meeting of this society on the evening of Oct. 10. Charles H. Totty of Madison, N. J., showed a vase of the new yellow rose "Sunburst." The exhibit contained fifty excellent flowers on long stems making a very attractive vase which on being examined by a committee was awarded a silver medal, the highest award of the society. Mr. Totty also showed a vase of his new white carnation Wodenethe, which was awarded a first-class certificate. W. E. Tricker, manager for Mr. Totty, was in charge of the exhibits and favored the meeting with a very interesting talk on roses.

FRENCH CHRYSANTHEMUM SOCIETY.

The 16th congress of this society will be held on October 26 to 29, at Biarritz, in conjunction with an international horticultural show to be organized by the local society. The following questions are on the agenda paper for discussion; a pocket edition of the Color Chart, Best Time for Taking the Buds, Insects and Diseases, Manures for Chrysanthemums, Influence of Salts of Magnesia on Chrysanthemums, Classification of Chrysanthemums.

PENNSYLVANIA HORTICULTURAL SOCIETY.

The regular monthly meeting was held on the 17th inst.; matters pertaining to the fall show mostly. Some magnificent blooms of the new white chrysanthemum, Mrs. David Syme, were exhibited by Samuel Batchelor—for which he was awarded first prize.

CLUB AND SOCIETY NOTES.

The North Shore Horticultural Society will hold a Chrysanthemum Show, October 25th and 26th, at the Town Hall, Manchester, Mass.

The Executive Committee of the National Sweet Pea Society of America will meet at the Parker House, Boston, on Saturday, November 4th, at 12 o'clock. W. Sim, Pres.; H. A. Bunyard, Secy.

Asbury Park, N. J., is to have a new and very desirable attraction next month in the form of a chrysanthemum show at the Casino. The preparations are now being made by Publicity Director Deanegar, with the enthusiastic support of the Elberon Horticultural Society.

The Milwaukee Florists' Club will put up an elaborate show at the Auditorium this fall. From the local daily papers we learn that the ground plan shows a carefully arranged, systematic and symmetrical design, with winding walks, oddly shaped plants of green-sward, fountains, terraces, hedges, floral pyramids, pergolas, vined walls and rustic ledges. The stage will be terraced and hedged according to a unique idea, copied from a natural scene in the Vermont hills. A central walk, broad and straight in its lines, except at the center, where a circular plot with a rustic music conservatory breaks the regularity of the lines, leads to the plateau to the north. The walk passes through the rustic structure and continues to the hedged terrace. Walks circle the conservatory, and avenues lead to the east and west, passing pyramids of blooming plants.

MONUMENT TO ERNEST CALVAT.

We notice that the subscription list to raise funds for erecting a monument to the memory of the great French chrysanthemum raiser, Calvat, now reaches the sum of \$266. The list has been opened for a long time and has been slow in reaching that figure.

Hartford, Conn.—A. W. Vibberts has purchased the Bennett estate greenhouses and will make additions and improvements.

DREER'S SEASONABLE SPECIALS



COCOS WEDDELIANA

PALMS, FERNS, ARAUCARIAS, PANDANUS, ETC.

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For complete lines of Seasonable Florists' Stock, consult our current Wholesale List, issued September 1st.

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Lilium Tenifolium, Henryl. Hanson, Wal-lacei and Davuricum; Elegans vars., Single and Double Tigers; Japan Tree Liliac; Delphinium formosum; Japan and German Iris; Daphne Cneorum.

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NURSERY MOSS, per large cart, 50.00

J.B. TOWNSEND, Berlin, N. J.

WASHINGTON NOTES.

F. C. Bauer of Govanstown, Md., was in town last week visiting his brother, Otto Bauer, of the Washington Florists' Company.

S. F. Holland has opened a new store at Eighteenth street and Columbia road, N. W. Mr. Holland was formerly located at Fourteenth street and Park road.

The death of Justice Harlan of the Supreme Court of the United States called for some very artistic floral designs and added much to the activity of the week. Aside, however, from the commercial feature, his death was deeply regretted by many of the florists, as Justice Harlan had many friends among the trade.

The Washington Florists' Company, Eleventh and F streets, N. W., showed some very choice baskets of cut flowers last week. The baskets were filled with Killarney roses and purple asters. Golden Gate roses and asters formed another combination. The display was commented upon in the shopping column of a local newspaper.

The trade is warned against a new counterfeit ten dollar bill which has made its appearance. The bill bears the check letter "F," and the names of Charles H. Treat and W. T. Vernon as treasurer of the United States and register of the treasury, respectively. It is of the series of 1902-8 and is drawn on the Crocker Bank of San Francisco.

A device for the plucking of flowers is among the recent inventions. This article consists of a tube connected to a pair of shears. At one end of the tube is a forked shape part which slips beneath the flowers, holding them rigid, while a blade traveling beneath the fork cuts the stem, dropping the blossom into the tube and thence to a basket, or other receptacle, attached thereto.

Washington florists will be represented at the post-season championship baseball games being held between New York and Philadelphia by two staunch fans in the persons of Mr. Z. D. Blackistone and Mr. Milton Thomas, the latter a member of the firm of Thomas & Slye of the Center Market. These gentlemen are visiting both cities and will incidentally take a peep at the way out of town florists are handling their trade, etc.

Harry L. Robey, with A. B. Garden, Anacostia, D. C., has joined the ranks of the benedicts, having taken as his bride Miss Isabella Davidson. The ceremony was a very quiet one, and the news of the wedding, which was performed at the Garden home, was a very great surprise to the friends of both participants. A family reception followed. Mrs. Robey is the daughter of Mr. John Davidson of Shannelton Ord, Bamffshire, Scotland, and a niece of the Gardens.

Mr. and Mrs. William F. Gude last week celebrated the fifteenth anniversary of their wedding. Cards had been sent out announcing that they would be "at home," but no mention was made as to the occasion. It leaked out, however, and Mr. and Mrs. Gude were the recipients of fifty or more very handsome presents. The florists of Washington presented them with a



Charles Lenker and House of Robinson Chrysanthemums, Freeport, N. Y.

magnificent cut-glass punch bowl and the Board of Directors of the Lincoln National Bank marked the day with a most exquisite piece of cut glass in the shape of an "American Beauty" vase. Upwards of five hundred people called during the day. Their home at 3900 New Hampshire avenue was beautifully decorated with cut flowers.

CLARENCE L. LINZ.

PHILADELPHIA NOTES.

Some excellent Chatenay are coming in from John Burton, who has two houses of this rose.

The annual fall show of the Pennsylvania Horticultural Society is scheduled for Nov. 7, 8, 9 and 10. Copies of the premium list may be had from the secretary.

We welcome back home this week those genial knights of the road, Arthur Zirkman and Robert Schoch. They both seem to stand the strain of the strenuous life pretty well.

John E. Scalley of M. Rice & Co., made his maiden trip among the Philadelphia retailers last week. From all accounts the youngster did well as the firm asks your correspondent to return thanks for the many courtesies extended to this new field officer of theirs.

Alexander B. Scott thinks that the Killarney blood will be the basis of nearly all the good commercial cut-flower roses of the future. What Fisher did for the carnation may be paralleled by Dickson in the rose. Both struck a great strain and there is no telling how far-reaching the influence.

The Rice Standard Cycas seems to be taking well in all parts of the country. This is a great improvement over the ordinary painted natural frond—in fact, it is absolutely natural—while the invisible process has made it fadeless. We are told that the Rice people control the entire output of this new process.

There were doings at the National Farm School on the 15th. This was the program in part:

Speakers—Dr. Harvey W. Wiley, chief chemist of the department of agriculture, Washington, D. C.; Hon.

Edwin S. Stuart, former governor of the state of Pennsylvania; Hon. Harry Cutler, member of the Rhode Island Legislature of Providence, R. I.; Rev. Louis B. Michaelson, Trenton, N. J.; Rev. Dr. Joseph Krauskopf, founder and president of the school; reports by the president and directors of the school and officers elected; an exhibit of farm products.

The Henry F. Michell Co. has been so encouraged with the success of their free lectures during last winter that they are announcing a series of seven to be given during the winter of 1911-12, the first on Oct. 23d, by Maurice Fuld on "The Potting of Bulbs, as Done by the Amateurs."

The management believes that these lectures are a step in up-to-date business, and the attendance, which has always been above the average, shows they are appreciated by the public.

These lectures have been planned to cover almost the entire sphere of the business, such as gardening by amateurs, by farmers and truckers, by florists and flower growers and raisers of poultry. A special lecture, exclusively for florists, has been arranged for November, and further particulars will be announced later. Programs for the entire series will be ready at the first lecture and distributed widely among those who are interested.

Visitors: Will. Rehder, Wilmington, N. C.; Mrs. C. Kaizer, Fort Washington, Pa.; Z. D. Blackistone, Washington, D. C.; Mrs. John A. Cook, Beverly, N. J.

Lancaster, Pa.—Julius P. Siebold, 924 E. Orange street, writes HORTICULTURE that the two houses he is building are 26x108, abutting the old houses built five years ago. The new houses are of semi-iron construction, with concrete side walls and are about ready for glazing. He is so well pleased with the new houses that in another year or so he expects to rebuild the old houses in the same manner. A varied line of stock is grown inside and in the field, all for the wholesale trade. A quarter acre of salvia Zurich and Bonfire, made a glowing display this season.

Oats Barley Wheat	Swedish Specialties <small>Grown Under Government Control by the</small> All. Svenska Utsaedes Aktieb, SVALOEF, SWEDEN <small>Descriptive pamphlet, prices and samples on application</small> SOLE AGENTS: Loechner & Co., 11 Warren St. New York	Oats Barley Wheat
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A DAHLIA GROWER.

A number of Hartford's dahlia lovers made a pleasant journey last week to the large dahlia fields of John H. Slocombe, who is a successful grower of dahlias and who has originated many beautiful new varieties of this grand autumn flower. Over three hours were spent by the visitors in inspecting the beautiful show and J. W. Adams published in the Hartford Times an enthusiastic account of what they saw which should give a good lift to the interests of the dahlia and particularly as represented by Mr. Slocombe among the public of that section.

In answer to inquiries by the visitors as to his methods of treating dahlias (which have blossomed so sparingly in Hartford this season), he said he had no special way, except to mulch the ground around the plants. But the secret is evidently in the location and soil. Although on high ground the soil of Mr. Slocombe's place is moist and the field is protected on two sides by long stretches of alder, a small, clear stream bordering it on one side, and the cool, damp breezes from the harbor seem to be just what the plants need to make them thrive.

PERSONAL.

Aretas B. Chandler has resigned his position with W. W. Powers, florist, Nashua, N. H.

A. P. Dewar of R. & J. Farquhar & Co., Boston, is home from an extended European trip.

Donald Munsey has resigned his position with the Southworth Bros. nursery at North Beverly, Mass.

David McKenzie, formerly manager for the John Scott estate, Flatbush, L. I., New York, is now manager for A. M. Davenport, Watertown, Mass.

John G. Gardner, formerly employed in the greenhouses of the James J. Van Allen estate at Newport, R. I., has accepted a position in an orchid growing establishment in Los Angeles, Calif.

Mr. and Mrs. James H. Delay of Pomeworth street, Stoneham, Mass., celebrated their tenth wedding anniversary Oct. 10. Mr. Delay is engaged in the florist business in Stoneham and Boston.

Visiting Boston—J. J. Karins, representing H. A. Dreer, Philadelphia, Pa.; L. Merton Gage, Orange, Mass.

Worcester, Mass.—In its recommendation which will go to the Legislature next January the special commission appointed by Governor Foss to get opinions on the feasibility and probable cost of making Lake Quinsigamond and its shores a state reservation will report that Worcester and Shrewsbury are united in favor of the proposition and want to see a bridge span the causeway.

DURING RECESS.

New York Florists' Bowling Scores, Friday, October 13, 1911.

		132	143	151	134	111	155	138	Av'ge
J. Young,		132	143	151	134	111	155	138	
A. Kakuda,		171	144	165	150	200	117	158	
C. W. Scott,		115	126	138	135	112	...	125	
W. Rickards,		155	156	167	134	138	159	152	
J. B. Nugent,	...	113	103	89	90	119	103		
J. A. Shaw,	...	...	130	99	121	105	114		
W. Holt,	...	...	111	151	140	111	128		
B. Chadwick,	...	181	204	227	207	155	234	201	
Individual high scores: Kakuda, 200; Chadwick, 234.									

Chicago Bowlers' Scores, October 10.

CARNATIONS.					ORCHIDS.				
Lorman,	167	151	174		Hu'bner	144	153	178	
Ayers,	149	156	136		Graff,	138	165	156	
W't's'n	114	105	107		Go'r'sch	141	157	143	
Schultz,	170	168	140		Farley,	140	144	135	
A. Zech,	137	162	158		J. Zech,	189	179	178	
VIOLETS.					ROSES.				
B'rgm'n,	127	104	180		J. Stack,	110	97	174	
Sw'ney,	169				Sch'n'm	146	164	116	
L'b'm'n	136	164	144		O'Conn'r	120	100	146	
Fr'dm'n	163	185	147		W. Wolf,	133	174	149	
Byers,	145	132	167		Fischer,	126	191	168	
Kr'chten,	—	158	182						

Cincinnati Bowlers.

The scores at Monday evening's tournament were as follows:

PUNKS.					WOULD-BES.				
Allen,	156	179	154		W's't'r,	145	130	155	
H'ckm'n	126	98	150		H'ring,	142	100	112	
Sch'm'n,	126	158	155		Ost'n'd'p,	115	112	102	
George,	108	135	120		H'm's't'r,	109	141	97	
H'm's't'r	96	90	140		W. Gear,	—	93	152	
	612	660	719			511	566	618	
NEVER WASERS.									
S'b'r'ch,	153	142	120		Howell,	112	125	88	
L. Fritz,	135	139	135		S'nd'r'h's,	95	122	140	
Sch'm'n,	113	134	121			608	662	604	

CINCINNATI NOTES.

Special club meeting at club rooms on Monday, October 23rd, at 8 P. M. Important.

Announcements tell of the coming marriage on December 6 of Miss Marie Scharstein and Jos. Maunders, the Newport (Ky.) florist.

Miss Lena Olinger of Aurora, Ill., is at the home of her brother and sister-in-law, Mr. and Mrs. P. J. Olinger, for a fortnight's visit.

If Bloomhurst's present cuts of roses are any kind of an omen of what they will be in the winter the market is due to receive some most excellent stock from that place.

The list of visitors is large and is as follows: O. C. Heberling, Georgetown, Ky.; Sidney Wertheimer, New York, N. Y.; Chas. Knopf and C. E. Rush, Richmond, Ind.; Louis D. Singer, Frankfort, Ky.; John Corbett, successor to Graesser & Humphreys, Mt. Sterling, Ky.

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Not How Cheap
But How Good

Seed Trade

W. H. Grenell of Pierrepont Manor, N. Y. and Saginaw, Mich., has, after many efforts and changes of mind, decided to sell his seed stock and quit the seed growing business for a time at least. He has sent out a circular letter offering a large proportion of his seed stocks. His aim, we are informed, is to sell enough to realize \$100,000 to \$125,000, and reserve just enough to grow, sufficient to get into business again two years hence, as he will accept no contracts for crop of 1912. In view of the fact that Mr. Grenell claims to have a seed stock aggregating 25,000 to 30,000 bushels of peas and beans, he should quite readily be able to realize at prevailing values \$100,000 and have a very respectable nest egg left with which to develop a future seed stock. Mr. Grenell's large seed stock will indicate quite clearly the volume of business he has been doing, and the sudden elimination of 20,000 bushels from an already too small volume of seed is cause for anxiety among the large users of peas, both canners and seedsmen.

For several years it has been increasingly apparent that the seed stocks of peas were not keeping pace with the ever growing demand, and particularly in view of the well-nigh crop failures of the past three years. The villianous seasons have been particularly disastrous to peas in this country and Canada, and in fact we may not inappropriately include Europe, where nearly all seed crops have been as disappointing as peas. In this country the repeated crop failures have discouraged and disgusted the growers to such an extent that a very large percentage of them will not listen to a proposition to grow peas at any prices, while those who can be persuaded, demand what appear now like prohibitive prices, ranging from 75c. to \$1.25 per bushel over last year. Owing to the increased prices which growers have had to pay the farmers, and coupled with the increased cost of doing business, they have found it necessary to advance prices to seedsmen and canners from year to year until they have protested most strenuously, and many have threatened to grow their own seed. This threat is largely empty, as it will first be necessary for them to secure seed stocks, then it would be interesting to know by what process of reasoning they figure out that they would get crops where the seed grower fails. The fact that these persons are disappointed and disgusted is not to be wondered at, but the seed growers could wish them no worse business fate, than the kind of luck that has fallen to them for the past four or five years.

The present outlook is the most threatening the growers have ever faced, and it requires abounding faith to see any silver lining on this cloud. It is no wonder Mr. Grenell has decided to sell out, provided he does not repent of his decision. He will be able to see more real money than the growing of peas would bring him in many years.

Gustav Schott, Aschaffenburg, Bavaria, the large grower and exporter of natural grass seeds, is now represented by McHutchison & Co., 17 Murray street, New York, who can furnish

all information as to prices, samples, etc.

HOWARD M. EARL.

In issue of March 11 we showed a picture of Mr. Earl at the age of 16, the year in which he entered the seed store of W. Atlee Burpee & Co., with whom he has remained continuously ever since, and is now their general manager. His many friends will be charmed to see his latest picture here-



HOWARD M. EARL

with, at the age of 42. The photo is by Evans of Philadelphia. Mr. Earl is affectionately known among his more intimate friends as "The Little Cupid," "The Burpee Steam Tug," and "The Human Dynamo," all of which are descriptive and appropriate. Mr. Earl, may you live a thousand years. G. C. W.

Baltimore.—John F. Williams was appointed receiver for the S. L. Lamerd Company by Judge Dawkins in the Circuit Court Monday. In the papers it is shown that the assets of the company amount to \$58,700, while the liabilities are listed at \$27,747. The concern conducts a seed and agricultural implement business on Light street. The bond was \$30,000.

Stocks for Easter 1912

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1-2 Trade Pkt., 30c.; Trade Pkt., 50c.; Qr. Oz., \$1; Oz., \$3.50

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PUBLICATION RECEIVED.

MicHELL's Bulb Growing Guide—Published by H. F. MicHELL Company, Philadelphia, Pa. The title page of this nicely bound book of fifty pages informs us that it is a complete treatise on the culture and uses of all bulbs offered in their fall catalogue. A perusal of its pages verifies the claim and we do not hesitate to commend it as a most excellent help to anyone desiring practical knowledge on the subject of bulb culture indoors or in the garden. Some sixty different classes of bulbs and tubers are given attention under "Specific Cultures." Maurice Fuld is the author.

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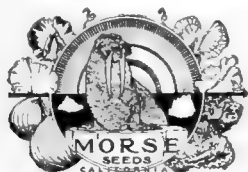
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...THE...

J. C. Robinson Seed Co.
Waterloo, Neb.

Contract growers of Cucumber, Can-
taloupe, Watermelon, Squash and
Pumpkin Seed; Sugar, Flint and Field
Seed Corns.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

ONION SEED

We have a choice lot of new crop
Silver Skin or Portugal, also other
varieties. Write for prices.

SCHILDER BROS.

CHILLICOTHE . . . OHIO



PRINTING

Fruitmen, Horticultur-
ists and Poultrymen
should get their print-
ing done by specialists. Write for prices
to THE REX CO., Harrisburg, Pa.

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Aldine 880. Aldine 881. Aldine 882.

SAMUEL MURRAY

**Kansas City, Mo.
913 Grand Ave.**

All Orders Given Prompt and Careful Attention



**WASHINGTON,
D. C.**

GUDE'S

The Far-Famed Flowers of
TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP
96 Yonge St., - - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE
Pres.

DENVER, COLORADO

**WILLIAM L. ROCK
FLOWER CO.**

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.

Members Florists' Telegraph Assn.

ALBANY, N. Y.

EYRES
Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

NEW FLOWER STORES.

Chicago, Ill.—The store of B. Zima, 3059 West 22nd street, has been purchased by J. Jehlik.

Ansonia, Conn.—The Ansonia Floral Co. has moved into the store formerly occupied by L. A. Martinez.

New York, N. Y.—Miss Bardsley is now the proprietor of the Onaway Flower Shop, Seventh avenue and 57th street.

Philadelphia, Pa.—Berger Bros., florists, 1305 Filbert street, will move about November 1st to new quarters at 140-142 North 13th street.

Swampscott, Mass.—John T. Erickson has moved his florist business to

STEAMER DEPARTURES

Allan.
Parisian, Boston-Glasgow....Oct. 27
American.
Philadelphia, N. Y.-S'ampton.Oct 28
Anchor.
California, N. Y.-Glasgow....Oct. 28
Atlantic Transport.
Minneapolis, N. Y.-London...Oct. 28
Cunard.
Campania, N. Y.-Liverpool...Oct. 25
Pannonia, N. Y.-Mediterran'n.Oct. 26
Ivonia, Boston-Liverpool....Oct. 31
Mauretania, N. Y.-Liverpool...Nov. 1
Holland-America.
Ryndam, N. Y.-Rotterdam....Oct. 24
Potsdam, N. Y.-Rotterdam...Oct. 31
Hamburg-American.
Cincinnati, N. Y.-Hamburg...Oct. 28
Leyland.
Devonian, Boston-Liverpool...Oct. 28
North German Lloyd.
K. W'm der G., N. Y.-Br'm'n Oct. 24
F. der Grosse, N. Y.-Bremen.Oct. 26
K. Wilhelm II, N. Y.-Br'm'n.Oct. 31
Red Star.
Kronland, N. Y.-Antwerp....Oct. 28
White Star.
Zeeland, Boston-Liverpool...Oct. 24
Celtic, N. Y.-Liverpool....Oct. 26
Majestic, N. Y.-Southampton.Oct. 25
Cynric, Boston-Liverpool....Oct. 31

Mudge street, Lynn. He has moved from his Burrill street residence to 23 Thomas road.

Phoenix, Ariz.—G. Neumann has formed the Salt River Valley Floral Co., wholesale and retail florists, with office at Washington street and Cactus Way, and a branch office in the Adams Hotel. Mr. Neumann had the floral stand at Donofrio's previous to the fire there.

The store of Julius A. Zinn on Park street, Boston, was broken into and cash and other valuables taken from the money drawer. The safe was not molested.

The wagon of Penn, the Florist, Boston, was in collision with an auto at the corner of Beacon and Tremont streets, last Saturday. The wagon was damaged, but neither horses nor driver were hurt.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

NEW YORK

Orders for Steamer, Theatre, Hotel, or Residence Carefully Filled.

Wm. H. LONG
412 Columbus Ave.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York
Telephone 1552-1553 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City
Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph and Cable address, Dardspier

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

in Brooklyn and other Long Island Points, New York City, New Jersey, etc. At Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

BUFFALO

S. A. ANDERSON

440 MAIN STREET

Special Deliveries Niagara Falls and Lockport

THE ROSERY

76 MAIDEN LANE

ALBANY, N. Y.

FLOWER DELIVERIES FOR ALBANY AND VICINITY

"THE HOME OF FLOWERS"

The largest cut flower store in America. Orders for the TWIN CITIES and for all Northwestern points given prompt attention.

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

**LOUISVILLE, KY.
JACOB SCHULZ,**
550 South Fourth Ave.

THE FLORISTS' SUPPLY HOUSE OF AMERICA

Offers You Superb, Exclusive Novelties This Season in Every Line. These Have Exceptional Value and Selling Merit. Tell Us What You are Interested in and at Same Time Ask for a Copy of

OUR SILENT SALESMAN

H. BAYERSDORFER & CO.

1129 Arch Street,

PHILADELPHIA, PA.

CHICAGO NOTES.

Trade Notes.

Hunt Bros. of Park Ridge are already cutting Christmas Pink sweet peas of good color.

Frank Oechslin had his first pot plants of chrysanthemums ready for the wholesale trade last week.

The E. Wienhoeber Co. is having a fall opening this week. A good custom and one which stimulates trade.

A \$10,000 addition to the office of the West Chicago Park Commissioners has been decided upon and plans approved.

Otto Wittbold reports light frosts two nights at their nurseries at Edgebrook. The busy season is on here and all hands are kept moving to fill orders.

Work is progressing finely on the new Foley houses now being erected for Wendland & Keimel at Elmhurst, Ill. Everything is of the latest design

and the ten houses are expected to be completed before snow flies.

John Kidwell, president of the new Chicago Flower Growers' Association, says he is well pleased with the business so far. Business is rapidly picking up now.

Peter Pearson has his second house in his range at 5734 Gunnison street nearly completed. His place, which he purchased less than a year ago is nicely located and will be used for growing plants for the shipping trade. Boston ferns will be a specialty and a general line of bedding stock carried in season for the wholesale trade.

Almost every store in the downtown district is showing some attempt at fall decoration, and those who study them will gain many ideas on how to do and how not to do things. For how not to do, note the lack of variation, as in the flower to each suit in the men's clothing stores, and the over-crowding of vines and flowers as seen in the average department store decoration.

Personal.

G. H. Peiser remains in the same condition as during the past month. His condition is very serious.

Wm. Gray, formerly of Philadelphia, but for the past two years at Minneapolis, is now with Canger & Gormley, 187 North State street.

C. M. Dickinson, manager of the E. H. Hunt Co., is able to be back to the store after a serious attack of illness. A. F. Longren of this firm is in after a successful trip.

Visitors: C. H. Hudson, representing the Hammond Paint & Slug Shot Works, Fishkill, N. Y.; Edward Tatrow, Salina, Kas.; Mr. Hempstead, Jr., Bloomington, Ill.; Mr. Pillsbury, Jr., Galesburg, Ill.; Mr. Roth, Lafayette, Ind.

NEW FLOWER STORES.

Cleveland, Ohio—F. G. Blecher, 2656 E. 55th street.

Rockland, Mass.—Arnold the Florist, Lincoln block.

Somerville, Mass.—George T. Rand, Highland avenue.

Columbus, Ohio—Fulton Flower Shop, Fulton Market.

Detroit, Mich.—"Rackham the Florist," 422 Woodward avenue.

The carnation staples which are the specialty of L. L. Pillsbury, Galesburg, Ill., are getting a well-deserved popularity for their simplicity and usefulness in making defective flowers look presentable. They are money savers for those who use them.

ST. LOUIS NOTES.

The Ladies' Home Circle gave a social meeting in which their husbands were permitted to take part on Tuesday evening, Oct. 17.

Miss Anna Bova of the Red Bud Floral Co., was married on Sunday, October 15th, to D. Mantia. A large number in the trade received invitations.

W. C. Smith and J. J. Beneke called on some of the growers in the county last week. They found Alexander Floral Company's place and Werner Bros. plant in fine shape. At the latter roses were specially good and a large cut of roses and carnations is in prospect.

The Retail Florists' Association held an interesting meeting on Monday night, Oct. 9. A committee was appointed to arrange for a booth at the coming fall flower show. The committee consists of Messrs. Schoenle, Windler and Bergestermann. The show will be held at the Coliseum this year.

Visitors: R. Karlstrom, representing W. A. Manda, Inc., South Orange, N. J.; E. J. Fancourt, representing S. S. Pennock-Meehan Co., Philadelphia; Mr. Newcomb of Vaughan's Seed Store.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
 Albany, N. Y.—The Rosery, 76 Maiden Lane
 Boston—Thos. F. Galvin, 124 Tremont St.
 Boston—Edw. MacMulkin, 194 Boylston St.
 Boston—Penn. the Florist, 37-43 Bromfield St.
 Boston—Julius A. Zinn, 1 Park St.
 Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
 Buffalo, N. Y.—Palmer's 304 Main St.
 Buffalo, N. Y.—S. A. Anderson, 490 Main St.
 Chicago—Williams J. Smyth, Michigan Ave. and 31st St.
 Denver, Col.—Park Floral Co., 1643 B'way
 Detroit, Mich.—J. Brolmeyer's Sons, Main and Gratiot Aves.
 Kansas City, Mo.—Samuel Murray, 912 Grand Ave.
 Kansas City, Mo.—Wm. L. Rock Flower Co., 1119 Walnut St.
 Louisville, Ky.—Jacob Schulz, 350 South Fourth Ave.
 New York—David Charles Sons, 2129 21st Broadway
 New York—Alex. McCrindle, 691 5th Ave.
 New York—W. H. Lutz, 412 6th Ave.
 New York—Young & Nugent, 42 W. 28th St.
 New York—Dards, N. E. cor. 14th St. and Madison Ave.
 St. Paul, Minn.—Holm & Olson
 Tallahassee, Fla.—J. H. Dunlop, 26 Yonge St.
 Washington, D. C.—Gode Bros., 1114 F St.
 Wellesley, Mass.—Tailby.

BOSTON, MASS.

Penn. the Florist

"Penn. The Telegraph Florist"
 37-43 BROMFIELD STREET
 NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points to

THOS. F. GALVIN
 124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
 1 Park St., Boston

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your retail orders to

EDWARD MACMULKIN
 194 Boylston Street, Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall Schools, TAILBY, Wellesley, Mass.
 Tel. Wellesley 44-1 and 2. Night 44-3

BEAUTIES

\$1.00 to \$3.00 per dozen

The top grades are more plentiful than the short and medium—quality never better. If you buy our Beauties, you get a quality such as you will say yourself you never got anywhere no matter how high the price.

Business Hours, 7 A. M. to 8 P. M.

The Leo Niessen Co.

WHOLESALE FLORISTS

N. W. Corner
12th and Race Sts., **PHILADELPHIA****THE BEST LETTERS**FOR
FLORIST'S
USE**R**THOSE
MADE
BY THE**Boston Florist Letter Co**

66 PEARL ST., BOSTON

N. F. McCarthy, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock.

CUT FLOWER BOXES**EDWARDS FOLDING BOX CO**
MANUFACTURERS
PHILADELPHIA, PA.**PETER REINBERG**

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

33-36-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

George B. HartWHOLESALE
FLORIST

24 Stone St., Rochester, N. Y.

The J. M. McCullough's Sons Co.WHOLESALE COMMISSION FLORISTS
CONSIGNMENTS SOLICITED

Special attention to shipping orders. Jobbers of Florists' Supplies, Seeds and Bulbs. Price list on application.

Phone Main 584 316 Walnut St., Cincinnati

To Cut Flower Growers and Retail Florists**IF YOU**

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

WELCH BROS.AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	BOSTON Oct. 20	CHICAGO Oct. 17	ST. LOUIS Oct. 17	PHILA. Oct. 17
American Beauty, Fancy and Special..	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00	25.00 to 30.00
" Extra	10.00 to 15.00	10.00 to 15.00	10.00 to 15.00	10.00 to 15.00
" No. 1	6.00 to 10.00	6.00 to 10.00	6.00 to 10.00	6.00 to 10.00
" Lower grades	1.00 to 4.00	1.00 to 4.00	1.00 to 4.00	1.00 to 4.00
Richmond, Chateaufort, Fancy & Spl..	3.00 to 6.00	3.00 to 6.00	3.00 to 6.00	3.00 to 6.00
" Lower grades	.50 to 2.00	.50 to 2.00	.50 to 2.00	.50 to 2.00
Killarney, Maryland, Fan. & Spl..	4.00 to 6.00	4.00 to 6.00	4.00 to 6.00	4.00 to 6.00
" Low grades	.50 to 2.00	.50 to 2.00	.50 to 2.00	.50 to 2.00
Bride, 'Maid, .....	.50 to 6.00	.50 to 6.00	.50 to 6.00	.50 to 6.00
Kaiserin, Carnot, Taft	2.00 to 6.00	2.00 to 6.00	2.00 to 6.00	2.00 to 6.00
CARNATIONS, First Quality..	2.00 to 2.50	3.00 to 4.00	2.00 to 3.00	2.00 to 4.00
" Ordinary	1.00 to 2.00	1.50 to 2.00	1.00 to 1.50	1.00 to 2.00
MISCELLANEOUS				
Cattleyas	40.00 to 50.00	40.00 to 50.00	50.00 to 60.00	25.00 to 40.00
Lilies, Longiflorum	8.00 to 10.00	8.00 to 10.00	10.00 to 12.50	10.00 to 15.00
Lily of the Valley	2.00 to 3.00	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00
Chrysanthemums	4.00 to 8.00	12.00 to 25.00	15.00 to 25.00	8.00 to 25.00
Gladioli	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	2.00 to 4.00
Asters .....	.25 to 1.50	1.00 to 2.00	1.00 to 2.00	.50 to 2.00
Violets .....	.25 to .75	.50 to .75	.25 to .35	.25 to .75
Dahlias	1.00 to 2.00	1.00 to 2.00	2.00 to 8.00	.50 to 3.00
Sweet Peas	1.00 to 2.00	.50 to .75	1.00 to 2.00	.35 to .75
Gardenias	15.00 to 25.00	15.00 to 25.00	15.00 to 25.00	12.00 to 15.00
Adiantum	1.00 to 1.50	1.00 to 1.00	1.00 to 1.25	1.00 to 1.00
Smilax	12.00 to 15.00	12.00 to 18.00	12.50 to 15.00	12.50 to 15.00
Asparagus Plumosus, strings (100)	16.00 to 50.00	30.00 to 50.00	20.00 to 35.00	40.00 to 50.00
" " & Spreu. (100 bchs.)	16.00 to 35.00	30.00 to 50.00	20.00 to 30.00	35.00 to 50.00

J. A. BUDLONG

82-84-86 E. Randolph St., Chicago

OUR STOCK IS A-1 AND IT IS QUALITY NOT PRICES THAT TALKS**Chicago Flower Growers' Association**

Wholesale Growers of Cut Flowers and Plants

176 N. MICHIGAN AVE., BETWEEN RANDOLPH AND LAKE STREETS, CHICAGO**HENRY M. ROBINSON & CO.**15 Province St., 9 Chapman Pl.,
BOSTON, MASS.

Everything in Flowers

Complete Stock of Florists' Greens,

Three Floors of Florists' Supplies.

TRY MY PRICES.J. JANSKY, Tel. Main 3852-1, Boston, Mass.
19 Province St.,Manufacturer of Florist Wire Designs,
All kinds of Florist Supplies.

New crop Dagger and Fancy Ferns, \$1.75 per 1000. Green and Bronze Galax, 90c. per 1000; by the case, \$7.50. Boxwood, 50-lb. case, \$7.50; by the lb., 25c. Laurel Wreaths, 10-inch, \$1.75 per doz.; 12-inch, \$2.25 per doz.; 14-inch, \$3.00 per doz.; 16-inch, \$4.50 per doz. Laurel Trimming, 4 and 5c. per yd.

Flower Market Reports

This market shows a decidedly downward trend, due very largely to the influx of chrysanthemums, which in the past few days have been accumulating and now show every indication of an imminent glut. Quality is good and variety is widening. Then carnations, unfortunately, are moving along towards a full crop and the combination is more than the market is able to bear without weakening. Roses are in abundant supply also. Prices have dropped but even at the lower figures they are not moving very readily. Lilies are rather on the short side. Violets fairly abundant but rather poor so far this year. Altogether the market seems lacking in ambition.

The Chicago market is in very good condition.

There is plenty of stock without being an oversupply in any line except for a day or two. Chrysanthemums of the medium grade are a possible exception to this, not being up to the standard in quality. Those who have a large shipping trade find it difficult to dispose of them and in some places an accumulation is seen. One of the largest growers says the sales of large quantities of first-class chrysanthemums is not up to the average October on account of the outdoor flowers, which are still in excellent condition. Salvia is exceptionally good and affords material for house decorations. Cosmos and dahlias, the latter coming in quantities from Michigan, and gladioli are all playing their part in the total sales. Violets, both doubles and singles, are more in evidence than desirable. The best ones sell, but prices are weak. Sweet peas are also here and like violets appear to have arrived too early for best results. Carnations are of excellent quality and inclined to be scarce so that price went up to three and four dollars on Saturday and Sunday, but dropped again on Monday as stock came in more plentifully. First-class green of all kinds is in. Some very fine asparagus sprays are now coming from the south.

The demand is holding up steadily and growing day by day.

The supply of some lines is scarcely able to meet this demand while others, such as fall flowers are more than sufficient. Cosmos and dahlias are offered in very large quantities and the quality is so good that one call for them is better than at any other time in past years. They also tend to keep down the price of the smaller chrysanthemums. Roses are all of most excellent quality and clean up quickly every day. The supply of pink is somewhat shorter than that of white. In carnations the amount offered and the call for the same is about "horse and horse." The white and Enchantress predominate in numbers. On Monday of this week a large shipment of asters came into the market. Many of them were taken up at once. The lily market is tight. Chrysanthemum offerings include white, yellow and pink of all sizes and all have been finding a tolerably good market. The call for lily of the valley and cattleyas is good. The green goods line is



Just the Thing for
Chrysanthemum Season

FLORISTS' GALVANIZED BUCKETS

Hand made; of the best galvanized iron; far more durable, and will wear four times as long as any other vase on the market; more easily handled and when not in use can be stacked, taking up very little room. Do not break, do not rot, do not chip, do not wear out. And, best of all: flowers keep longer.

No.	Width.	Depth.	Per Doz.	Per 100.
0	6 in.	5 1/2 in.	\$3.00	\$20.00
1	7 in.	6 1/2 in.	3.50	25.00
2	8 in.	7 1/2 in.	4.00	30.00
3	10 in.	9 1/2 in.	4.50	35.00
4	6 in.	10 in.	4.00	30.00
5	7 in.	12 in.	6.00	40.00
6	9 in.	14 in.	10.00	65.00
7	10 in.	18 in.	15.00	105.00
8	11 in.	21 1/2 in.	15.00	130.00

Inside measurement.

Sphagnum

Your opportunity to buy cheap.

Per 7 bbl. bale, \$2.25; ten bale lots at \$2.00 each.

Per 10 bbl. bale, \$3.50; ten bale lots at \$3.15 each.

Each bale covered with burlap, thus insuring cleanliness around the store and no waste. Get in on this.

Distributing Agents for the great new
Roses for 1912

Double White Killarney (Budlong Strain) and Killarney Queen

Grafted, \$250.00 per 1000. Own Root, \$200.00 per 1000.

S. S. PENNOCK-MEEHAN CO.

THE WHOLESALE PHILADELPHIA
FLORISTS OF

NEW YORK
109 W. 28th Street

PHILADELPHIA
1608-1620 Ludlow Street

WASHINGTON
1212 New York Ave.

WHOLESALE FLOWER MARKETS.—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	CINCINNATI Oct. 3	DETROIT Oct. 10	BUFFALO Oct. 10	PITTSBURG Oct. 17
Am. Beauty, Fan. and Sp.	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00
Extra	15.00 to 20.00	15.00 to 20.00	15.00 to 20.00	15.00 to 20.00
No. 1	10.00 to 15.00	10.00 to 15.00	8.00 to 10.00	10.00 to 15.00
Lower grades	4.00 to 10.00	4.00 to 10.00	3.00 to 4.00	6.00 to 10.00
Richmond, Chatsenay, Fan. & Spl.	6.00 to 8.00	6.00 to 8.00	6.00 to 8.00	6.00 to 8.00
Lower Grades	3.00 to 5.00	4.00 to 6.00	2.00 to 4.00	2.00 to 4.00
Killarney, Maryland, Fan. & Spl.	6.00 to 10.00	6.00 to 8.00	6.00 to 7.00	6.00 to 8.00
Lower Grades	2.00 to 5.00	4.00 to 6.00	2.00 to 4.00	2.00 to 4.00
Bride, 'Maid, Kaiserin, Carnot, Taft	3.00 to 6.00	4.00 to 8.00	3.00 to 6.00	6.00 to 8.00
CARNATIONS, First Quality	1.50 to 2.00	3.00 to 4.00	2.00 to 2.50	1.50 to 3.00
Ordinary	.75 to 1.00	2.00 to 3.00	1.00 to 1.50	1.00 to 1.50
MISCELLANEOUS				
Cattleyas	30.00 to 50.00	30.00 to 50.00	30.00 to 50.00	30.00 to 50.00
Lilacs, Longiflorum	10.00 to 12.50	12.50 to 15.00	10.00 to 12.00	10.00 to 12.00
Lily of the Valley	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Chrysanthemums	2.00 to 3.00	2.00 to 3.00	1.50 to 2.00	2.00 to 3.00
Gladioli	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00
Asters	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Violets	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Dahlias	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Sweet Peas	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Gardenias	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Adiantum	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Smilax	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Asparagus Plumosus, strings (100)	40.00 to 50.00	40.00 to 50.00	40.00 to 50.00	40.00 to 50.00
" & Spreng (100 bchs.)	25.00 to 35.00	25.00 to 35.00	25.00 to 35.00	25.00 to 35.00

well supplied and enjoying a steady call. Shipping business is good.

A good supply and a brisk demand have created good feeling among both the wholesalers and retail dealers. Chrysanthemums are coming in more freely and while the weather is not cold enough to make quick sales

in them they clean up well at good prices. Notwithstanding several department store sales of ferns offering Amerpohli plants at 10 cents each, florists are experiencing much demand for Boston fern and its varieties at prices which have prevailed for years past.

(Continued on page 574)

M. C. FORD
Successor to
FORD BROTHERS
121 West 28th Street NEW YORK
FINE ROSES. FANCY CARNATIONS
A Full Line of All CUT FLOWERS.
Telephone, 3870 or 3871 Madison Square

H. E. FROMENT
Wholesale Commission Florist,
Choice Cut Flowers,
87 West 28th St. :: NEW YORK
Telephones: 2200, 2201, Madison Square.

Alfred H. Langjahr
All choice cut-flowers in season. Send
for quotations. Correspondence with
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We manufacture all our
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A full line of Choice Cut Flower Stock for all purposes. LARGEST GROWERS
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THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
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NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS

	Last Half of Week ending Oct. 14 1911	First Half of Week beginning Oct. 16 1911
American Beauty, Fancy and Special.....	15.00 to 20.00	15.00 to 20.00
" " Extra.....	12.00 to 15.00	12.00 to 15.00
" " No. 1.....	6.00 to 12.00	6.00 to 12.00
" " Lower Grades.....	1.00 to 4.00	2.00 to 4.00
Richmond, Chateaux, Extra and Special.....	4.00 to 5.00	2.00 to 6.00
" " Lower Grades.....	.50 to 2.00	1.00 to 2.00
Killarney, My Maryland, Extra and Special.....	4.00 to 5.00	3.00 to 6.00
" " Lower Grades.....	1.00 to 2.00	1.00 to 2.00
Bride, Maid.....	.50 to 4.00	1.00 to 4.00
Kaiserin, Carnot, Taft.....	2.00 to 6.00	1.00 to 6.00
Carnations, First Quality.....	1.50 to 3.00	1.50 to 2.00
" " Ordinary.....	1.00 to 1.50	1.00 to 1.50

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Manufactured by
W. J. COWEE, BERLIN, N. Y.
10,000... \$1.75; 50,000... \$7.50. Sample free.
For sale by dealers

A. L. YOUNG & CO.
WHOLESALE FLORISTS
Choice Cut Flowers
CONSIGNMENTS SOLICITED
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Prompt Payments. Telephone 3559 Madison Sq

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Wholesale Florist
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Shipments, any quantity, Whole-
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Simple methods of correct accounting
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Books Balanced and Adjusted
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Telephone, Main 58.



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WHOLESALE COMMISSION FLORISTS

'Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH

WILLIAM H. KUEBLER

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

Tel. 4591 Main

WILLIAM F. KASTING Co.

Wholesale Florists

383-387 ELLICOTT ST. - - BUFFALO, N. Y.

NEW YORK QUOTATIONS PER 100. To Dealers Only

Flower Market Reports.

(Continued from page 573)

NEW YORK

The cut flower supply is rather top-heavy this week and stocks are moving reluctantly. Chrysanthemums are rapidly taking the place soon to be vacated by the dahlias as monopolizers of the counter space in the wholesale markets and as has been the case every year, are carrying everything else down to a lower level of value than reported last week. Roses are abundant in all varieties and also in all grades, particularly the inferior grades, and for the latter there is not much encouragement in the immediate outlook. Carnations, which are beginning to assert themselves and are really good in quality are naturally mixed up in the general slump which seems unavoidable. The buyer makes the price just now.

PROVIDENCE

A general uplifting has marked the local market conditions during the past week and the increase in the supply of stock has been encouraging. With the increase in the supply a corresponding improvement has been noted in the quality and the demand has strengthened considerably. Chrysanthemums of a very good quality were shown this week and the choice flowers brought from \$10 to \$14 per 100. Carnations have improved both in quality and price since the last week, the best grades bringing from \$2 to \$3 per 100. Roses remain in large quantities. There have been many Richmonds on the market this week selling from \$8 to \$10. Violets are very plentiful at 50 cents per 100. Lily of the valley and orchids are very scarce, with little demand because of the lofty prices.

WASHINGTON

The market is in a somewhat better condition, fall weddings and various society events calling for a goodly supply of choice material, although everyone is hoping for the speedy death of all out-door stock. The market is flooded with dahlias in all varieties and myriads of cosmos. For these there is a much smaller demand than output. Violets are coming in better. Rhinebecks and those grown locally are meeting with ready sale. Lily of the valley and yellow chrysanthemums are moving very well as is also Adiantum hybridum, but smilax is in little demand. Roses move along as well as they have been doing and are quite plentiful. Cattleyas are in better demand and there

MISCELLANEOUS

	Last Half of Week ending Oct 14 1911		First Half of Week beginning Oct 16 1911	
Cattleyas.....	25.00	to 40.00	35.00	to 40.00
Lilies, Longiflorum.....	6.00	to 10.00	6.00	to 12.00
Lily of the Valley.....	1.00	to 3.00	1.00	to 2.00
Chrysanthemums.....	6.00	to 16.00	4.00	to 16.00
Daisies.....	.10	to .25	.10	to .25
Violets.....	.15	to .40	.25	to .50
Gardenias.....	10.00	to 25.00	10.00	to 25.00
Adiantum.....	.50	to .75	.50	to .75
Smilax.....	6.00	to 8.00	6.00	to 8.00
Asparagus Plumosus, string.....	.....	to 35.00	.....	to 35.00
" " & Spreng. (too bchs).....	10.00	to 20.00	10.00	to 20.00

are enough gardenias grown locally to accommodate all calls. American Beauty roses, grown within the District of Columbia, are in exceptionally fine form. Richmonds are better and meeting with a ready demand. Carnations are much better than they have been although, of course, there is considerable room for their improvement. The condition of the weather has been so unsettled that the sale of flowers for personal adornment does not quite come up to expectations; in fact, the season may be considered quite backward.

ST. LOUIS

The wholesale markets have had plenty of everything in season and prices away down from those usual at this season, prevail. Western men have not been any too busy and when trade is dull do not lay in quite so large a stock only when they can buy it cheap. Chrysanthemums are increasing in number.

PROVIDENCE NOTES.

The Providence Wholesale Flower Market made a successful opening in its new home on Washington street Oct. 16, and the trade for the first day was considered very fair. John S. Kelly, formerly with John F. Wood of this city, has been appointed manager. As heretofore the retailers have had their supply brought to their door it will take some time to educate them to visit the wholesale market. Much encouragement has been given the promoters for on each succeeding day the volume of trade has increased, and within three days retailers from places as far as Fall River and Woonsocket have visited the market and placed good orders.

N. D. Pierce of Norwood, R. I., manager of the Norwood Floral Company, suffered a painful injury last week while directing work in the nursery, when a heavy board fell on his foot inflicting bad bruises.

S. A. G.

NEWS NOTES.

Marseilles, Ill.—The Marseilles Cemetery Association has been dissolved.

Springfield, Ohio—The Springfield Cut Flower Co. will occupy the store recently vacated by H. N. Siegenthaler.

Providence, R. I.—Frederick B. Luther has closed his greenhouses on Atlantic avenue and contemplates building a range at Norton, Mass.

Welch Bros., wholesale florists, Boston, state that they have reason to believe that a portion of their mail which should have been delivered to them on Tuesday, Oct. 17, was either diverted or destroyed and they ask that any parties having mailed communications or remittances addressed to them at that time, to which no reply has been received, should write to them at once with full particulars.

FLORISTS' HARDY SUPPLIES

Dagger and Fancy Ferns, Moss, Galax, Laurel Roping, Southern Smilax, Boxwood, Etc.

Hartford & McDonough 70 PEMBERTON SQ., BOSTON IN THE SWIM

I must be in the swim,
You might forget my name,
And say that I am a swimmer
If you don't get to it.

Christmas Trees, Spruce or Balsam, from one foot to thirty, in any quantity; Baled Spruce, Balsam, Hemlock Boughs, Laurel and Evergreen Festooning and Wreaths, sphagnum Moss, Hardy Cut Fancy and Dagger Ferns. Yearly Contracts Made. Send for Price List and order your Christmas Trees now. GET THE BEST.

H. J. SMITH, Hinsdale, Mass.

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Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

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R. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

ACHYRANTHES

Achyranthes, rooted cuttings: Metallica, Lindenii, Warszewiczii, \$6.00 per 1000; P. de Bailey, \$10.00 per 1000.

THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

AGERATUM

Ageratum, Stella Gurney, 2 in., Princess Pauline, 2 in., \$2.00 per 100.

THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

ALTERNANTHERAS

Chas. H. Totty, Madison, N. J.
For page see List of Advertisers.

Alternanthera, rooted cuttings, Aurea Nana, Brilliantissima, Paronychoides Major, \$5.00 per 1000.

THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

ALYSSUM

Alyssum, double giant. Large 2 1/4-inch plants, \$2.00 per 100. Jos. Traudt, Canajoharie, N. Y.

AMPELOPSIS

Ampelopsis Veitchii, 1-yr. plants, \$3.00 per 100; \$25.00 per 1000.
Wm. Eschrich Co., North Milwaukee, Wis.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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Godfrey Aschmann, 1012 Ontario St., Philadelphia.

For page see List of Advertisers.

Henry A. Dreer, Inc., Philadelphia, Pa.
For page see List of Advertisers.

Araucaria Excelsa, 4 in., 4 tiers, 50c. each, \$6.00 doz.

THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

ASPARAGUS

A. Leuthy & Co., Roslindale, Mass.

Asparagus Plumosus Nanus.

For page see List of Advertisers.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Asparagus plumosus seedlings, clumps, sprays and seeds. Write for prices. Peter Mack, Orlando, Fla.

Asparagus plumosus, 3 in., 6c. A. Sprengerii, 3 in., 4c.; 4 in., 6c.; 5 in., 12c. Schneider, Florist, Springfield, Ohio.

Asparagus Baskets, \$1.00, \$1.50 and \$2.00 each. Asparagus Plumosus, 2 in., \$3.00 per 100; 3 in., \$1.00 doz., \$8.00 per 100. Scandens Deflexus, 4 in., \$1.50 doz. Sprengerii, 3 in., 75c. doz. \$6.00 per 100, \$50.00 per 1000; 4 in. (500 at 1000 rate), \$1.50 doz., \$10.00 per 100, \$80.00 per 1000.

THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

10,000 Asparagus plumosus, strong, bushy plants, from 3-in. pots, ready to shift, \$3.00 per 100; \$25.00 per 1000. Samples, 10c. Cash with order. C. C. Yost, Lebanon, Pa.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
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A. Leuthy & Co., Roslindale, Mass.

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Loechner & Co., New York, N. Y.

BAY TREES

A. Leuthy & Co., Roslindale, Mass.
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Bobblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Bay Trees and Box Trees, all sizes

Write for special List

Julius Roehrs Co., Rutherford, N. J.

BEGONIAS

A. Leuthy & Co., Roslindale, Mass.

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Thomas Roland, Nahant, Mass.

Lorraine Begonias.

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BOILERS

Kroeschell Bros. Co., 466 Erie St., Chicago.
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BOXWOOD SPRAYS

Tree variety goods. Quality guaranteed. Write us your requirements. Jones, The Holly Wreath Man, Milton, Delaware.

BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.
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Julius Roehrs Co., Rutherford, N. J.

Box Trees all sizes. Ask for special list.

BOXES—CUT FLOWER—FOLDING

Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.

Folding out flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

BROAD-LEAVED EVERGREENS

Eastern Nurseries, Jamaica Plain, Mass.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.

French and Dutch Bulbs.

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J. M. Thorburn & Co., 33 Barclay St., N. Y.
Wholesale Catalogue.

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A. T. Boddington, 842 W. 14th St., N. Y.
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Rickards Bros., 37 East 19th St., New York.
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Henry F. Michell Co., Philadelphia, Pa.
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T. J. Grey & Co., 32 and 33 So. Market St., Boston.

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Ralph M. Ward & Co., 12 W. Broadway, New York.

Horseshoe Brand.

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James Vick's Sons, Rochester, N. Y.
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Loechner & Co., New York, N. Y.

John Lewis Childs, Flowerfield, L. I.
Fall Bulbs.

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The W. W. Barnard Co., Chicago, Ill.
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Fottler, Fiske, Rawson Co., Boston, Mass.
New Crop Cyclamen Seed.

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E. S. Miller, Wading River, N. Y.
Bulbs and Roots for Fall Planting.

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A. Henderson & Co., Chicago, Ill.
Late Dug Formosa

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CANNAS

Conard & Jones Co., West Grove, Pa.
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THE IMPROVED CANNA

We have a finer stock of these Improved Wintzer Wonder Cannas than ever before in our history. The price for new kinds is likely to be higher in the Spring because the demand justifies it and the supply is short. For other first class kinds prices reduced. Get our list before ordering. The Conard & Jones Co., West Grove, Pa.

CANNAS—Continued

R. Vincent, Jr. & Sons Co., White Marsh, Md.

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CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
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Chicago Carnation Co., Joliet, Ill.

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S. S. Pennock-Meehan Co., Phila., Pa.
Field Grown Carnation Plants.

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Wood Bros., Fishkill, N. Y.

Field Grown Plants.

For page see List of Advertisers.

300 Enchantress, \$5.00 per 100; 200 Windsor, \$4.00 per 100. Field grown, best of stock. Bid on the lot. O. L. Baird, Dixon, Ill.

Nice field grown Carnation plants, 1500 Queen, 1500 Dark Reds and 1500 Victory. Cheap to clean up the lot. Adams and American Express. Adolph E. E. Koch, Nobscoot, Mass.

Carnation Plants—Field-grown, Enchantress, \$5.00 per 100; white and pink Lawson, \$4.00 per 100. Cash. M. J. Schaaf, Dansville, N. Y.

Carnations, strong, field-grown plants. 1000 Queen, 500 Windsor, 125 Nelson Fisher, 200 Fenn, 200 Bountiful, 200 Lawson, \$6.00 per 100, \$50.00 per 1000. Cash. Chas. H. Green, Spencer, Mass.

CARNATION STAPLE

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 2000 for \$1.00 post paid. I. L. Pillsbury, Galesburg, Ill.

CHRISTMAS TREES AND BALED SPRUCE

H. J. Smith, Hinsdale, Mass.

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CHRYSANTHEMUMS

Elmer D. Smith, Adrian, Mich.

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Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Chrysanthemum Plants—White Garza, 5 in., \$3.00 doz.; 6 in., \$4.00 doz. Large double yellow Pompons, 5 in., \$3.00 doz.; 6 in., \$4.00 doz.; small 5 in., \$3.00 doz.; 6 in., \$4.00 doz.

THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

Chrysanthemums, rooted cuttings, Monrovia, Polly Rose, \$12.00 per 100. Violets, Princess of Wales, \$8.00 per 100; \$50.00 per 1000. Chas. Lenker, Freeport, L. I., N. Y.

CINERARIAS

Cinerarias, best strain dwarf, 2 1/2 in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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COLEUS

Coleus, rooted cuttings, Beckwith's Gem, Golden Bedder, Purple Prince, \$6.00 per 1000. Two in., Pfister, red and yellow, Beckwith's Gem, Golden Bedder, Verschaeltii, \$2.00 per 100.

THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

CROTONS

Crotons, 2 1/2 in., \$1.00 per doz.; 3 in., \$1.50 per doz.; 4 in., 25c. each, \$3.00 per doz.; 7 in., 4 in a pot, 75c. and \$1.00 each.

THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

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CYCLAMENS

Cyclamen—Best Varieties in different colors, 3 inch pots, strong plants, \$10.00 per 100, \$80.00 per 1000. Julius Mosch Company, Rutherford, N. J.

CYPERUS

Cyperus, 4 inch, \$1.25 doz; \$8.00 per 100. THE GEO. WITTBOLD CO., Chicago, Ill. Edgebrook,

DAHLIAS

Herbert, Acto, N. J.

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R. Vincent, Jr. & Sons Co., White Marsh, Md.

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Henry A. Dreer, Inc., Philadelphia, Pa.

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

Dahlias, divided roots, from 1 to 3 eyes to the piece. Send for list and get the latest varieties. W. P. LOTHROP, Brockton Dahlia Farm, E. Bridgewater, Mass.

DAHLIAS NEW FOR 1911.

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williams-town Junction, N. J., Post Office, Berlin, N. J.

DAHLIAS.

Have a surplus of the following standard kinds:

White, Camelliaeflora, Henry Patrick.
Pink, A. D. Livoni, Sylvia.
Yellow, Catherine, Clifford Bruton, Yellow Jim.

Red, H. Lyndhurst, Wm. Agnew, Indian Chief, Souv. Gustave de Douzan, the best red for cutting.

Cash price for extra heavy field clumps good for five (5) and more good divisions, \$1.50 per dozen; \$3.00 per 50; \$5.00 per 100; \$45.00 per 1000. Cash please.

WM. A. FINGER,

Hicksville, Long Island, New York.

DAISIES

Double Daisies (Bellis), mixed, nice plants, \$1.25 per 500; \$2.00 per 1000. M. B. Saunders Co., 25 Burnett St., Providence, R. I.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

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John Scott, Brooklyn, N. Y.

For page see List of Advertisers.

DRACAENAS.

Dracaena indivisa, fine stock; 3-in., \$5.00 per 100; 4-in., \$7.00 per 100.

Sable Bros., Fredonia, N. Y.

DRACAENA INDIVISA.

Strong plants ready for 5 in. pots,

\$10.00 per 100.

Vern L. Schluraff, Erie, Pa.

Dracaena fragrans, 2½ in., \$1.50 per doz.; 3 in., \$2.00 per doz.; 4 in., \$3.00 per doz.; 5 in., \$5.00 per doz. Dracaena Indivisa, 2 in., \$3.00 per 100, \$25.00 per 1000; 7 in., 2½ to 3 in. high, \$1.25 each, \$15.00 per 1000. Dracaena Massangeana, 6 in., \$1.25 each; terminalis, 3 in., \$1.75 per doz.

THE GEO. WITTBOLD CO.,

Edgebrook, Chicago, Ill.

EUNYMUS.

Eunymus Variegata (golden and silver leaf), 2½ in., 50c. each; 5 in., 35c. each, \$4.20 per doz.; 6 in., 50c. each, \$6.00 per doz.

THE GEO. WITTBOLD CO.,

Edgebrook, Chicago, Ill.

EVERGREENS

New England Nurseries, Bedford, Mass.

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Boblink & Atkins, Rutherford, N. J.

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FERNS

A. Leuthy & Co., Roslindale, Mass.

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H. H. Barrows & Son, Whitman, Mass.

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John Scott, Brooklyn, N. Y.

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Robert Craig Co., Philadelphia, Pa.

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FERNS—Continued

Frank Oechalin, 4911 Quincy Street, Chicago.

Ferns for Dishes.

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F. E. Pierson Co., Tarrytown-on-Hudson, N. Y.

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Joseph Heacock, Wyncote, Pa.

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George A. Kuhl, Pekin, Ill.

Special Roosevelt Ferns.

For page see List of Advertisers.

Boston Ferns, 5 in., 6 in., 7 in. pots, \$3.00, \$6.00 and \$9.00 a dozen. Andrew P. Peterson, South Lincoln, Mass.

Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

Boston Ferns—6-inch pots, 45c. each, \$40.00 per 100. Whitman Ferns, 4-inch, 20c. each, \$15.00 per 100; 5-inch, 30c. each, \$25.00 per 100; 6-inch, 45c. each, \$40.00 per 100; 7-inch, 60c. each, \$55.00 per 100; 8-inch, 75c. each, \$70.00 per 100. Ficus Elastica, 35c., 50c. and 75c. each. Cash please. Queen City Floral Co., Manchester, N. H.

Bostons, 2 in....\$3.00 per 100; \$25.00 1000
" 6 in....\$6.00 doz.; \$45.00 per 100
" 7 in....\$0.75 each; \$9.00 doz.
" 8 in....\$1.00 each; \$12.00 doz.
" 9 in....\$1.50 each; \$18.00 doz.
" 10 in....\$2.50 each
" 12 in....\$3.50 to \$5.00 each
" Fern Baskets, \$1, \$1.50 and \$2.50 each
Assorted Ferns for dishes, 2 in., \$3.00 per 100; \$25.00 per 1000.

THE GEO. WITTBOLD CO.,

Edgebrook, Chicago, Ill.

Ferns. Handsome stock. Boston, Whitman, Elegantissima compacta, Springfieldii, Amerpohlii, Scholzei. Rooted runners, \$1.80 per 100; 3 in., 8c.; 4 in., 15c.; 5 in., 25c. Sample sent for 25c. Satisfaction guaranteed. Ferns are grown at Cleveland, Ohio, plant. 60,000 feet of modern glass devoted to ferns and asparagus. Special prices on large quantities for cash only. Schneider, Florist, Springfield, Ohio.

FOR RETAIL STORE TRADE

WE NOW OFFER

Asplenium Nidus Avis (Bird's Nest Fern), elegantly finished plants \$1.00, \$1.50 and \$2.00 each; the best plants we ever had, sure to sell when seen. Pandanus Veitchii, extra strong plants, \$1.00, \$1.50, \$2.00, \$2.50 and \$3.00 each.

J. A. PETERSON,

McHenry Ave., Westwood, Cincinnati, O.

FOR IMMEDIATE DELIVERY

WE OFFER

Adiantum Farleyense, 2½ inch strong plants, \$12.50 per 100; 4 inch, \$40.00 per 100. This is a great bargain for stuff of quality (we need the room).

J. A. PETERSON,

McHenry Ave., Westwood, Cincinnati, O.

FERTILIZERS

20th Century Plant Food Co., Beverly, Mass.

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Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.

Wizard Brand Cattle Manure.

The New Mineral Fertilizer Co.,

19 Exchange Place, Boston, Mass.

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Shell-Marl Land-Lime, doubles farm crops, best and cheapest lime carbonate for your soils, not caustic, no magnesia. Wood ashes substitute, better than Canada ashes, standard, no moisture. Fine-Ground Phosphate Rock, permanent soil builder. Force-Feed Lime-Fertilizer Sowers, cheapest and best. Baled shavings, best absorbent stable bedding. All sold at lowest possible prices. Send for catalogue. Vermont Marl Company, Brattleboro, Vermont.

Hardwood ashes, best fertilizer on earth for lawns and gardens. George Stevens, Peterborough, Ont., Canada.

FEVERFEW

Feverfew. Rooted cuttings, \$2.00 per 100, or \$18.00 per 1000, by mail prepaid. Adolph E. E. Koch, Nohscot, Mass.

FICUS

Ficus Elastica (rubbers), 6 in., 50c. each, \$6.00 per doz. Repens vines, 2½ in., 50c. each.

THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.

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FLORISTS' LETTERS

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.

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FLORISTS' SUPPLIES

N. F. McCarthy & Co., 84 Hawley St., Boston

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H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.

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M. Rice & Co., 1220 Race St., Phila., Pa.

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Reed & Keller, 122 W. 25th St., New York.

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H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

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S. S. Pennock-Meehan, Philadelphia, Pa.

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FLOWER POTS

W. H. Ernest, 28th and M Sts., Washington, D. C.

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Syracuse Pottery Co., Syracuse, N. Y.

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Peters & Reed Pottery Co., Zanesville, O.

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FORGET-ME-NOTS

Forget-me-nots, winter flowering, large clumps, to close out, \$1.00 per 100. Plants from seed bed, \$2.50 per 1000. Cash. M. B. Saunders Co., 25 Burnett St., Providence, R. I.

FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

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Kervan Co., New York.

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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.

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Geraniums, standard varieties, 2½-in., \$2.00 per 100. Ready now.

Sable Bros., Fredonia, N. Y.

Geraniums, S. A. Nutt 2 in., Rose 2 in., \$2.00 per 100.

THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

GLASS

Boston Plate & Window Glass Co., Boston.

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Standard Plate Glass Co., 26-30 Sudbury St., Boston.

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Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.

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Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.

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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

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Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

In writing to Advertisers kindly mention Horticulture

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
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GOLD FISH

Gold fish, aquarium plants, snails, castles, globes, aquarium, fish foods, nets, etc., wholesale. Franklin Barrett, breeder, 4815 D. St., Philadelphia, Pa. Large breeding pairs for sale. Send for price lists.

GNAPHALIUMS.

Gnaphalium Lanatum cuttings, \$10.00 per 1000.

THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

GREENHOUSE BUILDING MATERIAL

A. T. Stearns Lumber Co., Neponset, Boston.

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Foley Mfg. Co., Chicago.

Pecky Cypress for Benches.

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S. Jacobs & Sons, 1359-63 Flushing Ave., Brooklyn, N. Y.

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Hitchings & Co., 1170 Broadway, N. Y.

Pierson U-Bar Co., Madison Ave., New York
Designer and Builder.

GUTTERS

King Construction Co., N. Tonawanda, N. Y.
King Channel Gutters.

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HAIL INSURANCE

Florists' Hall Asso. of America.

J. G. Esler, Saddle River, N. J.

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HARDY FERNS AND SUPPLIES

Michigan Cut Flower Exchange,

28 and 40 Broadway, Detroit, Mich.

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Hartford & McDonough, Boston, Mass.

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H. J. Smith, Hinsdale, Mass.

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HEATING APPARATUS

Kroeschell Bros. Co., 466 Erie St., Chicago.

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Lord & Burnham Co.,

1133 Broadway, New York.

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HELIOTROPE

Heliotrope, 2 in., \$2.00 per 100.

THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

HERBACEOUS PLANTS

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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New England Nurseries, Bedford, Mass.

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Bobbin & Atkins, Rutherford, N. J.

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HEMEROCALLIS LILY

Fulva, \$2.50 per 100. C. S. Harrison's
Select Nursery Co., York, Neb.

HOLLYHOCKS

Hollyhocks, double plants, best double, separate colors, white, yellow, pink, red, 25c. per doz. The London Oriental Hardy Poppy, seedling and plants, mammoth flowers, 50c. per dozen.
Wingert & Ury, S. J. Ohio.

HOUSE

H. A. Dreer, Philadelphia, Pa.

HOT-BED SASH

A. T. Stearns Lumber Co., Neponset, Mass.
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INSECTICIDES

Eastern Chemical Co., Boston, Mass.

Imp. Soap Spray.

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Nicotinide kills all greenhouse pests.

P. R. Palethorpe Co., Owensboro, Ky.

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Stumpp & Walter Co., New York.

Kilmdead Tobacco Dust.

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Aphine.

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E. H. Hunt, Chicago, Ill.

To-Bak-Ine Products.

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Wilson Plant Oil and Fertilizer Co., New York, N. Y.

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Acme Nicotine Insecticides sold direct to the grower. Acme 45 per cent. Liquid, pint \$1.75; gallon \$12.50. Acme Fumigating Paper, case of 288 sheets \$5.50. Sample can of 24 sheets 60 cents, postpaid. J. P. Beermaker, 9 Washington Ave., St. Louis, Mo.

IRISES.

Henry A. Dreer, Inc., Phila., Pa.

Imperial Japanese Iris.

IRIS. All of the leading varieties. C. S. Harrison's Select Nursery Co., York, Neb.

IVIES

Ivy, German, 2 in., \$2.00 per 100.

Ivy, English, 3 in., 75c. per doz.; 4 in., \$1.50 per doz.

THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

JAPANESE LILIES

Loechner & Co., New York, N. Y.

JERUSALEM CHERRIES

JERUSALEM CHERRIES, pot grown, strong and well berried plants, 4-in., \$10.00 per 100. Cash, please. F. Sokol, Worcester, Mass.

KENTIAS.

Bobbin & Atkins, Rutherford, N. J.

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A. Leuthy & Co., Roslindale, Mass.

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LANDSCAPE GARDENING COURSE.

Home Correspondence School, Springfield, Mass., Dept. 8.

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LANTANAS

Lantana Delicatissima, rooted cuttings, \$6.00 per 1000.

THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

LAUREL

Laurel wreaths, roping and branches furnished on short notice. Jones, The Holly Wreath Man, Milton, Delaware.

LILAC

Rouen, 3 to 4 feet, six to fifteen branches, an ideal hedge as it stands, \$10.00 per 100. C. S. Harrison's Select Nursery Co., York, Neb.

LILIAM HARRISH

F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

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LILIAM MULTIFLORUM AND GIGANTEUM

R. M. Ward & Co., New York, N. Y.

Horse Shoe Brand.

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MARGUERITES

Marguerites, white and yellow, \$8.00 per 1000.

THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

MASTICA

F. O. Pierce Co., New York, N. Y.

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MATS FOR COLD FRAMES

Wm. Elliott & Sons, New York, N. Y.

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Kentucky Tobacco Product Co.,

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Nicotine Mfg. Co., St. Louis, Mo.

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Bay State Nurseries, North Abington, Mass.

Hardy, Northern Grown Stock.

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McHutchinson & Co., New York, N. Y.

Direct Importations.

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Loechner & Co., New York, N. Y.

F. E. Conine Nursery Co., Stratford, Conn.
Large Evergreens, Deciduous Trees, Large Shrubs, Etc.

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TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$8.00 by Horticulture Publishing Co., 11 Hamilton Place, Boston.

ONION SEED.

Schilder Bros., Chillicothe, O.

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ONION SETS

Leonard Seed Co., Chicago, Ill.

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S. D. Woodruff & Sons, New York, N. Y.

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For Sale. Winter Onion Top Sets, select stock. A. S. Pett, Crawfordsville, Ind.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.

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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.

Fresh Imported and Established Orchids.
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Ordenez Bros., Madison, N. J., Box 108.

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Sander, St. Albans, England.

Importer, Exporter, Growers, Hybridists.
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Orchids—largest stock in the country. Stove plants and Crotons, finest collection. Julius Roehrs Co., Rutherford, N. J.

Orchid Growers' Manual. By B. S. Williams, 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

Edward V. Low, late of Hugh Low & Co., dissolved, Vale Bridge, Haywards Heath, England. "White" Cattleyas and Choice Cypripediums are leading features.

PALMS, ETC.

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

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Lochner & Co., New York, N. Y.
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Cocos Weddelliana, 2 in., \$1.75 doz.; \$14.00 per 100. 3 in., \$2.50 doz.; \$20.00 per 100.

Kentia, Belmoreana, 2½ in., 8 in. high, 4 leaves, \$1.50 doz.; \$12.00 per 100. 3 in., 8-10 in. high, 4-5 leaves, \$2.00 doz.; \$15.00 per 100. 4 in., 12-15 in. high, 4-5 leaves, \$3.60 doz.; \$30.00 per 100. 5 in., 18-20 in. high, 5-6 leaves, 75c. each; \$9.00 doz. 6 in., 20-22 in. high, 5-6 leaves, \$1.00 each; \$12.00 per doz. 6 in., 26-28 in. high, 6-7 leaves, \$1.50 each; \$18.00 per doz. 7 in., 28-30 in. high, 6-7 leaves, \$2.50 each; \$30.00 per doz. 7 in., 40-44 in. high, 6-7 leaves, \$4.50 each. 8 in., 44-45 in. high, 7-8 leaves, \$5.50 each. 9 in., 48-50 in. high, 7-8 leaves, \$8.00 each. 9 in., 50-54 in. high, 7-8 leaves, \$10.00 each.

Kentia Fosteriana, 2½ in., \$1.50 doz. 3 in., \$2.00 doz. 4 in., \$3.60 doz. 5 in., \$5.00 doz. 5 in., 20-24 in. high, 4-6 leaves, 75c. each; \$9.00 doz. 6 in., 30-35 in. high, 4-6 leaves, \$1.00 each; \$12.00 doz. 7 in., 36-38 in. high, 5-6 leaves, \$2.50 each. 8 in., 40-42 in. high, 5-6 leaves, \$4.50 each. 9 in., 46-50 in. high, 6-7 leaves, \$7.00 each.

Kentia, made up plants, 7 in., 24-30 in. high, 3-4 in a pot, \$2.50 each. 9 in., 50-54 in. high, 3-5 in a pot, \$8.00 each. 10 in., 53-60 in. high, 4-5 in a pot, \$10.00 each. 12 in., 62-70 in. high, 4-5 in a pot, \$15.00 each.

Latania Borbonica, 2 in., 1-2 leaves, \$3.00 per 100. \$25.00 per 1000. 4 in., \$3.00 per doz., \$20.00 per 100. 5 in., \$5.00 per doz., \$40.00 per 100.

Pandanus Urtilis, 3 in. pots, \$2.00 doz. **Veitchii**, 4 in. pots, 50c. each; \$5.50 doz. 5 in. pot, 75c. each; \$9.00 doz. 6 in. pot, \$1.00 each; \$12.00 doz.

Phoenix Canariensis, 7 in. pot, 36-40 in. high, \$2.50 each. 10 in. pot, 50-54 in. high, \$8.00 each. 10 in. pot, 60-64 in. high, \$10.00 each.

Phoenix Reclinata, 4 in., 25c. each, \$3.00 doz., \$20.00 per 1000. 5 in. pot, 50c. each; \$5.00 doz. 6 in. pot, 75c. each; \$9.00 doz.

Phoenix Roebelenii, 2½ in. pot, \$2.00 doz.; \$15.00 per 100. 3 in. pot, \$3.00 doz.; \$22.50 per 100. 5 in. pot, \$9.00 doz.; \$70.00 per 100. 6 in. pot, \$2.00 each. 7 in. pot, \$2.50 each.

Arecia Lutescens, 3 in. pot, 3 plants in a pot, \$2.00 doz.; \$15.00 per 100. 7 in. pot, 4-5 plants in a pot, \$3.00 each. 8 in. pot, 5-6 plants in a pot, \$5.00 each.

THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

PANSIES

We offer seedlings of Giant Pansies, mixed, *Calliopsis grandiflora* and Sweet Williams at 50c., 100; \$2.75, 1000. Russell Bros., Syracuse, N. Y., Route 4.

PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
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PECKY CYPRESS BENCHES

Foley Mfg. Co., Chicago.
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A. T. Stearns Lumber Co., Boston, Mass.
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PEONIES

Henry A. Dreer, Inc., Philadelphia, Pa.
PEONIES—1200 sorts, an enormous stock List ready. C. Betscher, Canal Dover, O.

"Fragrans," late dark pink, large divisions, \$6.00 per 100, \$50.00 per 1000. Chas. Lenker, Freeport, L. I., N. Y.

PEONIES. Send for our wholesale list. C. S. Harrison's Select Nursery Co., York, Neb.

PETUNIAS

Petunias (Dreer's), mixed, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

PHLOX

Henry A. Dreer, Inc., Philadelphia, Pa.
PHLOX. Field grown. C. S. Harrison's Select Nursery Co., York, Neb.

PHOTOGRAPHS

I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan R. Graves, 414 Haywood Bldg., Rochester, N. Y.

PLANT STAKES

Seale's Tieless Plant Stakes and Trellises. H. D. Seale & Sons, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."
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Metropolitan Material Co., Brooklyn, N. Y.
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POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

POULTRY AND FARM REVIEW.

The Rex Company, Harrisburg, Pa.
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PRIMULAS

Primulas Chinese, fine plants. 2½ in. \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

Primula Obconica, 3 in., \$6.00 per 100.
THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

PRINCESS PINE

Ground pine, guaranteed quality, delivery Nov. and Dec. Price \$8.00 per 100 lbs. Jones, the Holly Wreath Man, Milton, Del.

PRINTING.

The Rex Company, Harrisburg, Pa.
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PRIVET

California Privet, any quantity, size, age. Others say ours is the best grown. Write for prices; also on shrubbery, ornamentals, fruit trees, asparagus, etc. Franklin Davis Nursery Co., Baltimore, Md.

RHODODENDRONS

P. Ouwerkerk, Hoboken, N. J.
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Bobbink & Atkins, Rutherford, N. J.
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RHUBARB ROOTS

Mammoth Red rhubarb. Strong 1-yr. plants for forcing or growing on, \$2.50 per 100; 2-yr., extra large, \$6.00 per 100.

Wm. Eschrich Co., North Milwaukee, Wis.
RHUBARB ROOTS, extra large clumps for forcing, \$20.00 per 100; strong divided clumps for replanting, \$5.00 per 100. Best kind for the market; red stalks. Sluis Seed Store, 344 W. 63rd St., Chicago.

RIBBONS AND CHIFFONS

M. Rice & Co., 1220 Race St., Phila., Pa.
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New Roses Originated by Jackson Dawson

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RUBBER STAMPS, STENCILS.

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SALVIAS

Salvia cuttings: Bonfire, Zurich, \$6.00 per 1000.

THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

SANSEVIERIAS

Sansevierias, 4 in., 20c. each, \$2.25 doz.
THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

SEED GROWERS

Braslan Seed Growers Co., San Jose, Cal.
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C. C. Morse & Co., San Francisco, Calif.
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Flower Seeds for the Florist.

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Peas, Beans, Radish and all Garden Seeds.

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James Vick's Sons, Rochester, N. Y.
All Leading Varieties of Seeds.

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Giant English Cyclamen and Mignonette.

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The W. W. Barnard Co., Chicago, Ill.
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J. Bolgiano & Son, Baltimore, Md.
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SHEET MOSS

The very best quality obtainable. For early orders we will offer inducing prices. Jones, the Holly Wreath Man, Milton, Delaware.

SOLANUM

Solanum Aculeatissimum, 6 in. strong plants, 50c. each, \$5.00 doz. **Capiscum** (Jerusalem Cherry), 5 in., \$2.00 doz., \$15.00 per 100; 6 in., \$3.00 doz.

THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

SPHAGNUM MOSS

S. S. Pennock-Meehan Co., Phila., Pa.
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Joseph B. Townsend, Berlin, N. J.
Moss, Peat, etc.

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H. J. Smith, Hinsdale, Mass.
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Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

Ten bales sphagnum moss, \$7.00. Z. K. Jewett Co., Sparta, Wis.

SPRAYERS

Chas. J. Jager Co., Boston, Mass.
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TRADESCANTIA

Tradescantia variegata (Wandering Jew), 2 in., 40c. doz., \$3.00 per 100.

THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

In writing to Advertisers kindly mention Horticulture

FOR "POT LUCK" TRY US...

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS
WORLD'S LARGEST MANUFACTURERS

Pearson Street,
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CAMBRIDGE, MASS.

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John T. Withers, Inc., Jersey City, N. J.
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VALLEY PIPES

Loechner & Co., New York, N. Y.

VEGETABLE PLANTS

Fox Hall Farm, Norfolk, Va.
Tomato, Cabbage and Lettuce Plants.
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VENTILATING APPARATUS

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The Advance Co., Richmond, Ind.
Improved Ventilator Arm.
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VINCAS

Vincas, 4 in., \$2.00 per doz., \$15.00 per 100.

THE GEO. WITTBOLD CO.,
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Vinca, variegated, field-grown, \$6.00 per 100. Chas. H. Green, Spencer, Mass.

Vinca variegata, field grown, strong plants, \$5.00 per 100; \$45.00 per 1000. Russell Bros., R. 4, Syracuse, N. Y.

WIREWORK

Reed & Keller, 122 W. 25th St., N. Y.
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Wirework. Write for our catalogue.
Holton & Hunkel Co., Milwaukee, Wis.

William E. Hellscher's Wire Works, 38-40 Broadway, Detroit, Mich.

WOOD PRESERVATIVE

Conservo Wood Preservative doubles the life of all exposed lumber. Preserves benches, posts, sills or planking. Costs 2c. a stick, and saves ten times its cost. Samuel Cabot, Inc., Mfg. Chemists, Boston, Mass.

WIRED TOOTHPICKS

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DREER'S "Riverton Special" Plant Tub


No.	Diam.	Each	Dox.	100
10	20 in.	\$1.45	\$16.00	\$130.00
20	18 in.	1.30	14.00	115.00
30	16 in.	1.00	11.25	92.00
40	14 in.	.65	7.00	56.00
50	12 in.	.45	5.00	40.00
60	10 in.	.38	4.00	32.00
70	8 in.	.30	3.50	28.00

Manufactured for us exclusively. The best tub ever introduced. The neatest, lightest and cheapest. Painted green, with electric welded hoops. The four largest sizes have drop handles.

HENRY A. DREER, Seeds, Plants, Bulbs and Supplies, 714 Chestnut Street, Philadelphia, Pa.

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STOCKS FOR EASTER.

Henry F. Mitchell Co., Phila., Pa.
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1000 READY PACKED CRATES
STANDARD FLOWER POTS AND BULB PANS

can be shipped at an hour's notice. Price per crate:

2000 1 1/2 in.	@ \$6.00	500 4 in.	@ \$4.50
1500 2 "	" 4.88	450 4 1/2 "	" 5.24
1500 2 1/4 "	" 5.25	320 5 "	" 4.51
1500 2 1/2 "	" 6.00	210 5 1/2 "	" 3.78
1000 3 "	" 5.00	144 6 "	" 3.16
800 3 1/2 "	" 5.80	120 7 "	" 4.20
		60 8 "	" 3.00

HILLFINGER BROS., Pottery, Fort Edward, N. Y.

August Rolker & Sons, 31 Barclay St., N. Y. City Agents.

OUR SPECIALTY—Long distance and export trade.

Syracuse Red Pots

"A little pot is soon hot," likewise a thin pot. This will save you fuel. Our pots are the thinnest and toughest owing to the superior quality of the clay.
New price list on application.

Syracuse Pottery Co., SYRACUSE, N. Y.

STANDARD FLOWER POTS

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28th & M Sts., Washington, D. C.


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FOR OUR

Florist's Red Pots

is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots, order from us.

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Spray Your Trees and Do Your Whitewashing



With Deming Spray Pumps. You can have a good crop of pears, plums, cherries, apples, etc., if you keep your trees in good condition—free from insects.

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are inexpensive and are suitable for white-washing, poultry houses, cellars, etc., as well as spraying flowers, trees and shrubbery. Get complete Catalogue and Spraying formulae from

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75 CANAL ST., PROVIDENCE, R. I.

In ordering goods please add "I saw it in HORTICULTURE."

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GREENHOUSES BUILDING OR CON-TEMPLATED.

Lowell, Mass.—D. J. Williams, house 40 x 200.
Washington, Conn.—R. S. Barnes, one house.
New Bedford, Mass.—Stephen Shaw, house 40 x 85.
Albert Lea, Minn.—Tigh High School, house 20 x 30.
Girard, Ohio—James Knapp, one house 26 x 100.
Norton, Mass.—Frederick B. Luther, range of houses.
North Olmsted, Ohio—Irving Dunford, house 28 x 100.
Norwood, R. I.—Home Nursery, house 35 x 200; one 28 x 118.
Seal Harbor, Me.—Mt. Desert Nurseries, range of houses.
Spokane, Wash.—H. A. White, 4214 East Cleveland avenue.
Pomona, N. C.—J. Van Lindley Nursery Co., house 43½ x 500.
Hartford, Conn.—A. W. Vibberts, house 20 x 60; office 18 x 26.
Evansville, Ind.—Wm. Blackman Floral Co., addition of 10,000 feet.
Nebraska City, Neb.—J. E. Berthold, Sixth street and First Corso, one house.
Wyomissing, Pa.—Wyomissing Nursery, Bertram H. Farr, proprietor, house 25 x 150.
Salem, Mass.—Henry T. Conant & Co., 129 Essex street, rebuilding range of houses moved from rear of Peck estate.

NEWS NOTES.

Fredonia, Pa.—Having sold his place in Pittsburgh, W. W. Little has moved his greenhouses here.
Danville, N. Y.—M. J. Schaaf, who was recently reported as erecting one greenhouse, writes HORTICULTURE that he is building four 18 x 75 King houses which will be ready for planting in about a week. Carnations mostly will be grown.
Northboro, Mass.—Ralph E. Wadsworth & Co., Pleasant street, who are building one greenhouse 42 x 200 feet, for wholesale flower growing, intend to extend the range of six houses, having 75,000 square feet in the future. Ralph E. Wadsworth and Dr. J. M. Stanley are the proprietors.
Norfolk, Va.—Bids were opened, October 1st, by the Board of Control for flower seed, trees and shrubbery to be planted in the city parks and at the city home. Following are the proposals: S. G. Harris, \$486.25; W. T. Hood & Co., \$617.50; J. Van Lindley Co., trees only, \$224; William H. Moon Co., \$686.25.
Dixon, Ill.—O. L. Baird has given Louis Knisel, who has been his grower for the past seven years, an interest in the business and will devote more of his own time to dairying and stock-raising. He reports carnations as in fine condition, but chrysanthemums not as good as usual, from the effects of the extremely hot summer.
Alexandria, Va.—David Grillbortzer, who is building a 50 x 150-foot green-

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A publication on the farm journal that reviews all poultry and fruit papers in United States, will be sent on trial one year to all who send 16 cents, to pay wrapping and postage, and names of three fruit or poultry raisers.

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HARRISBURG, PA.

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FLORIST and LANDSCAPE GARDENER

wishes position on commercial or private place. 16 years of experience in Sweden and Germany. Able to take charge. For particulars address F. E., care of HORTICULTURE.

WANTED—Position as superintendent of an estate. Fully qualified and experienced as gardener and farmer. First class references. A. L. Marshall, 72 Cortlandt St., New York City.

SITUATION WANTED by an experienced rose grower, married and no children. Can take full charge of a first-class rose growing establishment. Am now in charge of the largest rose growing establishment around Boston. Come and look it over. Reasonable wages and permanent position desired. Wm. Anderson, Madbury, N. H.

FOR SALE

FOR SALE—Fresh from factory, new 10 x 12, 16 x 18, 16 x 24, double thick, A and B qualities. Market dropped. Now is the time to buy and save money. Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.

FOR SALE Greenhouse, 15 miles from Boston; 14,000 feet of glass, with good heating; 12,000 'mums, 4,000 violets, 1,000 'mums, 500 stellas, lots of stock geraniums, also cuttings started, 1,000 snapdragons, some carnations and miscellaneous stock; 100,000 bulbs for forcing, 3 wagons 2 cultivators; everything goes with the sale. Almost new house, 9 rooms; 15 acres of land; ¾ mile to station; good train facilities. Electrics pass the door. Step right in and make money. R. E., care HORTICULTURE.

GREENHOUSE PLANT—Two new houses, one 28 x 190, one 31 x 180, good dwelling, acre land, 12 miles from Boston. Attractive neighborhood, close to R. R. station. Frequent trains, and electric to Boston every 15 minutes. Ill health cause of selling. Joseph Farrell, North Woburn, Mass.

house, began business about ten years ago and now has a range of thirteen houses with an area of about 85,000 square feet of glass. His boiler plant consists of two 60 horsepower and one 300 horsepower steam boilers. Electricity is used for lighting.

Aldan, Pa.—Clarence Alwine, who was reported in the last issue of HORTICULTURE as building three greenhouses, each 25 x 100, states that he has changed his plans and two will be 23 x 135 each and one 25 x 100. Mr. Alwine is just starting business here and will raise cut flowers and pot plants for the wholesale trade.

THE NEW MINERAL FERTILIZER

Will produce

MORE
and
LARGER
FLOWERS

and of better color than any plant food ever put on the market.

Contains all of the original elements of virgin soil



The above cut shows hollyhocks, nine feet six inches high, with more blossoms and of better color than ever produced by any other fertilizer.

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THE NEW MINERAL FERTILIZER CO.

Will
DESTROY
all
INSECT
LIFE

that preys on plants under glass.

It is a plant food and not a stimulant

Aphine
The Insecticide that kills plant Lice of every species

Just the remedy for the black aphids on chrysanthemums—red spider and thrips on carnations—green fly on roses—mealy bug on gardenias and crotons—scale on ferns, palms and other decorative stock.

\$2.50 per gallon, \$1.00 per quart.

FUNGINE

Fungine has no equal for carnation rust, rust on chrysanthemums, and mildew on roses.

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There is but one convincing way for you to become familiar with the merits of Aphine and Fungine, and that is—test them out yourself—it will prove worth your while.

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144 sheets.....	3.50
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OVER 40% NICOTINE

By far the
CHEAPEST.

JUST NOTE PRICE!

**Furnishes the
Most Nicotine for the Money**

... Manufactured by ...

THE KENTUCKY TOBACCO PRODUCT CO.,

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1/4 Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

NIKOTEEN The most effective and economical material there is for spraying plants and blooms. **NIKOTEEN** skillfully extracted from leaf tobacco, and carefully refined, it is clean and easy to apply. **NIKOTEEN** Does the work when vaporized either in pans, or pipes, or over a flame.
Full Pint Bottles, \$1.50.

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Specially prepared for fumigating closed houses. It vaporizes the Nicotine evenly and without waste. Nothing keeps a house free from Aphis so cheaply.
Price \$6.50 per case of 12 paraphrased boxes. All Seedmen.

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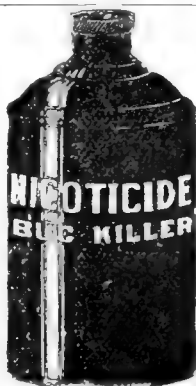
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The best of all the tobacco dusts for
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60 lbs. 1.75 600 lbs. 14.00 2000 lbs. \$2.50

Stump & Walter Co. 50 Barclay St. New York. U



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BOSTON

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Semi-Iron Frames
Iron Frames
Private Constructions

WE MAKE THEM ALL AND DO IT RIGHT.
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Eastern Sales Office
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LOUISIANA RED CYPRESS GREENHOUSE MATERIAL

STEEL GUTTERS, TRUSSES, PURLINS, PIPE, FITTINGS, GLASS, Etc.
PRIVATE AND CONSERVATORY WORK A SPECIALTY.

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CYPRESS SASH BARS 32 feet or longer HOT BED SASH PECKY CYPRESS BENCH LUMBER GREENHOUSES ERECTED AND EQUIPPED COMPLETE IF DESIRED

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NEPONSET, BOSTON, MASS.

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John C. Moninger Co.
117 E. Blackhawk St., CHICAGO.

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FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

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GREENHOUSE GLASS

OUR PRICES WILL PROVE THIS. CHICAGO, ILL.



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Boilers, Pipe, Fittings, Glass, Greenhouse Lumber, Tools, Sash, Etc.

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Cheap as Dirt

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Write us at once for our quotations. We'll surprise you.

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Our glass all new and fresh from factory.

Hot-bed sash and greenhouse material, dropped too.

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FOR Greenhouse Glazing
USE IT NOW.
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Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

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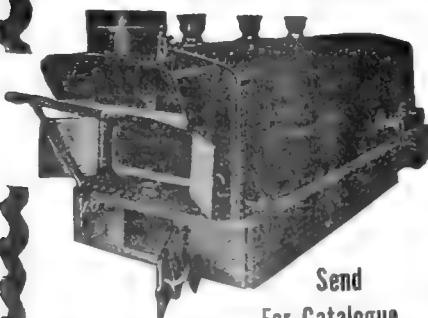
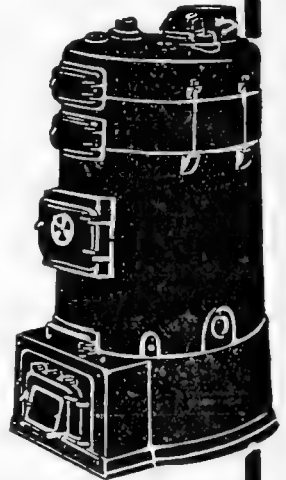
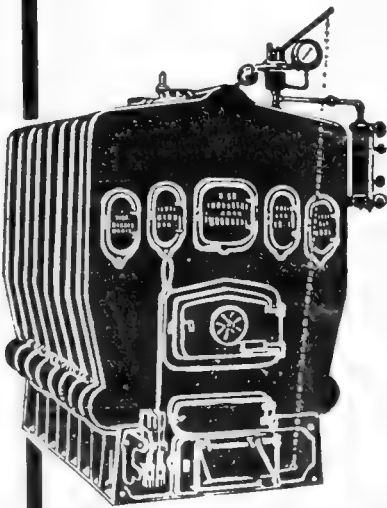
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HORTICULTURE

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Seasonable Notes on Culture of Florists' Stock

CARE OF ROSES

By this time roses that are in good health and growth should have liquid manure once a week, and there is nothing better than fresh cow manure for making this liquid; half a bushel of manure to 50 gallons of water is about right. After each crop is cut a mulch will be found very beneficial to help the crop of flowers on. Mix equal quantities of pulverized cow manure and loam together and apply it about a half an inch thick. These lighter mulches are better than heavy ones. To ventilate is of great importance from now on; early in the morning when your temperature has a tendency to rise, begin by putting on a little air and increasing with outside conditions so that the rise will be gradual until the maximum of 75 degrees has been reached, and then when it shows a tendency to drop reduce the air the same way, leaving a little on as long as possible. Syringe thoroughly in the morning on all bright days to keep the plants clean of red spider. See that they are properly tied so as to form straight upright bushes, and disbudded as they may need it. To ward off mildew keep a thin sulphur wash on the heating pipes. Fumigate regularly.

CALLAS

Do not let the callas suffer for the want of water. Those that are growing in pots soon dry out now, so give them faithful attention in the way of plenty of moisture at the roots. Use the syringe freely on all good days. Damp down the walks two or three times a day, especially when the temperature goes up with the sun heat, for callas delight in a moist growing atmosphere. Have those that are in pots set on a bench so as to allow full circulation of air around each plant; it also lets the sun and light around all the foliage. These plants when grown in pots soon exhaust the soil of its nourishing elements and should have some liquid manure once or twice a week to avert actual deficiency of plant food in the soil.

Those that are grown in beds or benches will not need feeding as yet, but with the coming of spring when the beds are full of roots mulching and feeding must be resorted to in order to sustain the plant in its final and most strenuous efforts. Give them a temperature of not less than 60 degrees at night. Fumigate with regularity for fly and thrips for these are difficult pests to eradicate when they have secured a firm foothold.

FERNS FOR THE TABLE

See that you have a good lot of these ferns coming on for the holidays. Stock that is now in flats and beginning to crowd should be potted up in a liberally enriched soil with about one-fourth of leaf mold added, and enough sand to make the texture open. When potting, the soil should be made moderately firm, but not too hard, and immediately after the operation give them sufficient water to run down the soil through. After this, watering should be done very carefully until the plants are rooting freely. From now on they should have a house or bench where they will have full light, as they will make a better and harder growth. Keep the atmosphere moist and give ventilation whenever possible, always avoiding any direct drafts over the plants. When the first fronds are fairly well formed

on your pans or flats they should be removed in clumps of five or six plants to other pans or boxes, using a compost that has been finely screened; soil one-half, leaf mold and peat one-half, and some sand, will suit. Give these young ferns a strong heat, anywhere from 65 to 70 degrees at night. Those who are sowing spores should bear in mind that the most desirable commercial varieties will take from 10 to 12 months before they are fit to pot.

FRESIAS FOR CHRISTMAS

The freesia, whether grown for cutting or as a pot plant, must have the fullest possible light and a temperature of 55 degrees at night will grow them better than a higher one. Now that the pots or benches are filled with a mass of hungry roots they will stand some weak liquid manure twice a week. It will make a big difference in the spikes, making them stronger and the flowers of a larger size. As growth advances they will probably need some support in the way of keeping them shapely. Where your plants are in good condition do all you can to keep them so by giving every chance for proper ventilation so as to prevent a soft growth. Where you have to fumigate do it lightly, as the points are easily burned by tobacco smoke.

LIFTING SHRUBS FOR FORCING

Quite a few florists grow a good many of their flowering shrubs themselves. Where these shrubs have been cultivated regularly and thoroughly they should have a good ball of roots for lifting now. Pot them into 9, 10 or 12-inch pots, as they may require. Use any good rose soil and pot firmly. When all are potted give them a thorough soaking of water and before hard weather comes give them a deep frame that can be covered with sashes later on, where they can remain until wanted for forcing. The shrubs that are arriving now should be unpacked and if the buds show signs of starting, which is often the case, due to the warm and sometimes close quarters they are kept in, they should on no condition be exposed to a hard frost. If the roots are dry, soak them for a few minutes in a tub and then heel them in a cold frame. Keep the tops from frost by giving them covering with sashes. These shrubs will include all such plants as azaleas, almonds, box, deutzias, lilacs, pyrus, rhododendrons, spireas, viburnums, etc. Pot when you have time.

PRIMULAS FOR THE HOLIDAYS

Give those plants that are intended for Christmas a temperature of about 50 degrees at night in a house or bench that is well lighted and they will do finely. Don't run them any higher for they will only spindle and draw up. See that they have enough of space and do not crowd one another. The larger ones can be given a place elevated on some inverted pots. Now that the pots are filled with roots they should have some weak cow manure with soot added, once a week; it will improve the flowers and foliage. When they are coming into full flower they do better in a temperature of from 42 to 45 degrees. Give these plants all the air that the weather will permit on bright days.

John J. M. Farrell

Mr. Farrell is in charge of the following: Greenhouses, Christmas Stock, and the Assistant Propagator, Pot Rooms.

Fruit and Vegetables under Glass

ROOT PRUNING

At this season of the year early-forced fruit houses present a rather dismal appearance—cold, nothing growing, probably the first few leaves falling as the force of the hose sweeps across them, each morning, the autumn tints on the foliage of vines proclaiming that fall is with us. Now, from the inexperienced we should expect to hear such remarks as “Nothing doing here,” or “What desolate houses.” To the grower, however, this is one of the most important times of the year, for it is upon work done along now that much of next season's crop depends. Once active growth commences little can be done to the borders, so all must be put right now. Peach and nectarine trees having shown signs of too much root action should now be root-pruned. This applies especially to young trees. Finding themselves in a newly made border, with lots of room to roam in, as compared with what they have been used to, they invariably “let it go” and as fall comes on we find we have a quantity of very strong growths to deal with. To cut this away without interfering with the root action would only invite still stronger wood for next year, consequently root pruning must be resorted to.

Vague ideas apparently exist with some as to the method of procedure and also of the object of root pruning. As we were proceeding to get around a peach tree a few seasons ago we were asked if the trench was to be filled in with manure! In another instance we were told we were killing the trees, which proved to be anything but true. Trees can receive a very severe check by overdoing the root-pruning and will lose their next season's crop in consequence. The advantages outweigh all these drawbacks when it is properly done and no loss of time or crop should ensue. Old established trees which carried a full crop may not need pruning. Be governed by the wood grown during the past season. The safest time to proceed is as soon as the first few leaves commence to fall, signifying that growth is about finished and that the roots will soon be resting. By laying some foliage on the tree at the time the roots are cut, great aid is given to the bud and the danger of dropping is reduced. To proceed, take out the soil from the border at a fair distance from the tree, and then dig a trench with a shovel and any strong roots or growths are exposed. Now, with a fork work the soil from between the roots carefully down, leaving the roots in position. When about two inches of soil has been removed, the roots can be tunneled under, being careful not to break them. When it is again being tunneled under, lay the foliage in its position and there is no danger of its breaking. Any roots having a tendency to break should be shortened right back; those which are well exposed out of the soil and are not likely to break should be cut out 2 or 3 inches of the surface. Fill in the soil again and ram it firm before laying the roots out. A root which is well exposed should be shortened back, leaving all fibrous ones. Use a sharp knife and make a clean cut. Any roots which may have been broken off or damaged during the operation, should also be cut clean as a rule. The roots will heal so much quicker

than a bruise. Spread the roots out evenly over the surface and cover with soil ramming the whole firm and even. Take care that the roots are not left exposed for any length of time. Should they have to be left out over-long spray them and cover with old bags or blankets to keep them moist. Suckers can be traced down to their origin and taken off close to the root. Some roots are continually sending these suckers up and they are best amputated. If the tree has been subjected to a severe pruning and few fibrous roots are left, give a soaking of water and keep it syringed morning and noon in fine weather. Syringing will be beneficial on bright mornings during the whole dormant season as it keeps the buds soft and plump.

OUTSIDE VINE BORDERS

Outside vine borders are beneficial for late houses, keeping colder in the spring and consequently growth is deferred as late as possible. These will now have a crop of ripe fruit hanging and the roots will be active for awhile and needing protection from frosts and rain. A good thick layer of leaves spread over the top and covered with straw litter to prevent the wind from removing them will answer the purpose well. Shutters or spare sash can be placed over this to run off the rain as a preventive to cracking berries. An outside border lying wet and cold will often cause berries to crack or otherwise go wrong.

WORK IN THE GARDEN

With the approach of winter there is much preparation to be made in the kitchen garden. Much of course depends on the locality. Roots will have to be stored, celery protected so as to make winter digging possible and a quantity stored for immediate use. Globe artichokes will need protection to carry them through the winter. Asparagus for forcing must not be allowed to freeze too far down. Some frost into it is essential for good forcing. Leaves and other rubbish will accumulate and should be burnt preparatory to digging and trenching.

MUSHROOMS

Beds made up the first week in September will now be cropping. The atmospheric temperature has the greatest effect on the quality of mushrooms. Houses or cellars which are too warm never produce the thick-fleshed specimens one finds in a cellar having a normal temperature providing other conditions are right. This is the one great factor, as the life of the bed depends on it. After the spawn has run, bottom heat is not so essential as proper aerial heat. A temperature of 50 to 55 produces the best quality mushrooms and will keep the bed going well. Never advance more by artificial means; rather be on the cool side. A mushroom bed should not require watering until in an advanced stage; each time water is applied a quantity of the spawn and are fast rotting off in the soil. Beds should not be allowed to dry right out, or the crop will be very poor. Aim to keep them moist by dampening walls, walks and surface occasionally without soaking the bed. When watering is necessary use it at a temperature of 65 to 70 and soak the bed through.

George H. Benson

Mr. Benson's next notes will be on the following: Pruning and repotting pot trees; Melons for Christmas; Tomatoes in pots; Strawberries for forcing; Cucumbers in crop.

Autumn Flowering Shrubs

In my last notes on this subject I referred entirely to the varieties of *Buddlen* variegata and other species recently introduced to this country from China and I now propose to give a further selection of shrubs which can be recommended for beautifying gardens and open spaces. Some few of these are also new introductions from the far East but the majority, though far from being well-known in this country, are quite old inhabitants of European gardens. This is, no doubt, owing to the fact that horticulture in general and hardy plants in particular are more fully appreciated on the other side and the various nurserymen, who are largely responsible for their popularization, have been quicker to realize their value.

The opinion is often expressed that the climate is more temperate and suitable in Europe than here, but this is really not the case so far as the varieties mentioned are concerned; in fact, exactly the opposite obtains. Owing to the brighter summers and better general conditions for ripening the wood all hardy deciduous trees and shrubs flower and fruit much more freely here. In parks and open spaces where sufficient space is at command the practise of grouping many of these deciduous flowering shrubs has much to commend it as much finer effects are produced by massing one variety than by planting a single specimen. Very good examples of this method may be seen in the Arnold Arboretum and throughout the Boston Park System.

The *Sorbaria* section of the *Spiraeas* contributes largely to the number of fall-flowering varieties, and these have recently received two important additions from China, viz.: *S. arborea* and *S. arborea* var. *glabrata*. Although these two are in general respects similar the species is easily distinguished from its variety, being clothed with short hairs on the underside of the leaves. These both produce a large inflorescence of white flowers at the termination of the season's growth. *Sorbaria Aitchisoni*, a native of Afghanistan, is a very handsome species growing from eight to ten feet in height with dark red stems and white flowers. *S. asurgens*, *sorbifolia* and *stellipala* should also be included. All the *Sorbarias* are large-growing shrubs with fine pinnate foliage and require but little attention except that some of the old wood can be removed occasionally. Another handsome member of the *Spiraeas* is *Holodiscus discolor*, a native of N. W. America, which produces large numbers of loose racemes of creamy white flowers on gracefully drooping stems during August and is almost equally pretty in the seedling stage. As a specimen plant in trees, shrubs or on grass this shrub is well suited and needs but little attention except to keep the old wood clear.

One of the most important and useful of recent introductions from China is *Hamamelis Stanum*, which was found growing along the Great Wall near Peking and introduced to the Arnold Arboretum by J. G. Jack. Here it proves sub-shrubby, but is perfectly hardy, making a bush from three to four feet in height with branching stems of showy rosy-purple flowers. It is easily propagated by cuttings, seed or division of the roots, and

for planting in groups to produce a good display of color it is a most desirable plant.

Halemodendron argenteum, commonly called the Salt Tree, from Southern Asia, is a beautiful member of the Leguminosae deserving a place in all gardens, on account of its weather-torn, pea-shaped blossoms which are produced in such profusion as to hide the branches. The foliage being silvery-grey contrasts very prettily with the flowers and the somewhat pendulous habit makes it very attractive. It can be increased by seeds, which take two years to germinate, but the most satisfactory method is to graft in cuttings using *Caragana arborescens* as a stock. *Lespedeza bicolor* is well-known as a graceful and pretty shrub for fall blooming. Another good species is *L. cyrtobotrya* and there are also several very promising new varieties among Mr. Wilson's Chinese introductions.

Vitex incisa, an uncommon shrub from the East, makes a pleasing bush from six to eight feet in height and has pretty blue and white flowers in light pyramidal spikes on the current season's growth. *Vitex Agnus-Castus* is not so tall growing as its congener but has larger foliage and deep blue flowers. There is also a good white form. Although both of these shrubs are, in this locality, more or less herbaceous in character, this is no drawback to them as they both grow freely from the base and make conspicuous bushes by fall. *Hibiscus syriacus* and its numerous varieties are among the best of shrubs for planting in sunny positions as they are able to withstand a considerable drought and never fail to produce a wealth of blossom. Very little attention is required, and in a few years they make good specimen bushes from six to eight feet in height. Among the numerous varieties there is a wide selection of color, some of the most desirable being *totus albus*, *Lady Stanley*, *Hamabo*, *paeniflora*, *purpurea* and *violacea*.

A considerable number of *Spiraeas* flower during the late summer and autumn and the dwarfier-growing sorts are specially valuable, producing masses of color. *Spiraea Japonica* and its numerous varieties are the most desirable and these all grow from two to four feet in height, with quantities of flattened flower heads. To keep them vigorous the old flower stems should be removed at least every two years. *Anthony Waterer*, a variety with rich dark red flowers, is the best, but one should also include *alba*, *Bumalda*, *ruberrima*, *saperba* and *Froebelii*.

The shrubby *Potentillas* are also valuable for grouping purposes. *P. fruticosa* is the best known, with bright yellow flowers. Its variety *microandra* is dwarfier and the flowers are larger and brighter in color. *P. Friedrichsni* is extremely floriferous and the color primrose-yellow. *Veitchii* is perhaps the best and for this we have to thank H. H. Wilson. It grows from three feet high and produces great numbers of pale yellow flowers. *Potentilla* is also white and a few others of this color.

Several new Clematises have flowered this autumn for the first time in America. *Arctotum* and *Andromeda* are worthy at present is *C. nutans*. This is a climbing variety and is well suited for covering pergolas and arbors. The flowers are pale yellow. The flowers are produced in great numbers, are pale yellow in color and do not fade. This is also one of Wilson's finds.

Arthur. E. Thatcher

Arnold Arboretum.

HORTICULTURE

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Wants something cheap
 "An American Gentleman," who affixes "Esq." to his signature, advertises in a London horticultural paper for a gardener of high attainments, all of which desired qualifications are carefully specified (size of grounds, etc.) and the wages offered are £8 per month, with cottage, etc.! We hope the gracious gentleman will get his money's worth. We also hope that no English gardener will be head turned by the munificent salary offered, but that he will remember the cost of living is greater than it is in Great Britain.

Qualified to teach
 We are indebted to our chrysanthemum enthusiasts the paper in this issue by Elmer D. Smith. It is remarkable how excellent an educational contribution he

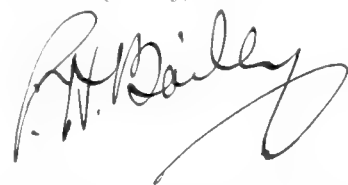
has given us on a subject which, as he truly asserts at the outset, has already been treated from all sides and worn threadbare by repetition. But there is always something new and useful to be said by a devoted student and life-long specialist like Mr. Smith. We particularly recommend to the attention of the grower of chrysanthemums or of anything else the very sensible closing paragraph of Mr. Smith's paper. Prompt and intelligent attention to small details is the great secret of the success of every grower of high repute whose career we have ever had occasion to watch.

Yale's business venture
 That fuss in New Haven over the inauguration of a "Flower Agency" at Yale College, under student management, seems something in the nature of a "tempest in a teapot." While we cannot blame the New Haven florists for resenting this attempt at interference with their business, yet anyone acquainted with the exactions of the retail flower trade as conducted in these days of keen rivalry and the peculiar conditions that appertain to dealings with the student element will readily understand that the element of danger to the established trade in the scheme in question is nothing very serious. We are pleased to notice that the newspaper comments on the situation are invariably in sympathy with the florists' interests, as they should be.

The "Conquest of New England"

Dear Mr. Stewart:—I am very much interested in the conquest of the surface of the earth. This conquest is to be accomplished largely by the engineer and the farmer. Heretofore we have considered the conquest to lie very largely in the new regions; but now that we have circumferenced the earth, we begin to realize that we must effectively conquer the regions that have been run over in times past. You are now coming to the real conquest of New England. New England is a newer country than most of us recognize. The influence of New England on the nation has not ceased. I am expecting that it will contribute a very important part to the re-direction of rural civilization. Therefore, I am interested very much in your Fruit Show and in every other enterprise that contributes to the awakening of a self-sustaining country life in the old states.

Yours very truly,



Cornell University,
 Ithaca, N. Y.

The foregoing characteristic and inspiring communication from the honored Director of the New York State College of Agriculture is received with much gratification.

Two and three generations ago the eyes of the world were on New England for all that was worth seeing and knowing in advanced fruit culture. Of late years this industry in New England has lagged and in the meantime the hustler from the far west has been doing things. But New England's blood is up now, as the unparalleled apple display in Boston this week well attests. The big, far-seeing men in horticulture, like Dr. Bailey, realize what this means and can discern in the present awakening the promise of neglected fields and orchards once more made productive and yielding luxuriant and profitable crops of fruit of matchless quality.

FOUR GLADIOLI.



Scribe.

Our illustrations show several of the newer gladioli most highly esteemed by John Lewis Childs, by whom they are offered.

Scribe needs no encomiums. Its splendid form and vigor are plainly shown in the picture. It is pink

Wm. Falconer.

marked on a white ground, variable as the portrait shows, and is a decided advance over that sterling old favorite Eugene Scribe.

Safrano is a Vilmorin production, a fine and fairly deep yellow, with a red mark in the throat. The individual flowers are very fine, but the straggly character of the spike is

Irene.

likely to limit its popularity among gladiolus fanciers.

William Falconer is a fine representative of the Childsii type. It cannot now be classed as new, but it still holds its place as one of the very best pink varieties.

The other one, Irene, is a pink and white beauty, fine in every way.

Safrano.

PERSONAL.

A. J. Frazer succeeds J. C. H. Huntley in charge of the plant of the E. Gill Nursery Co., at Eden Vale, Calif.

Louis C. Stearns has been placed in charge of the new greenhouse at the Normal School at Bridgewater, Mass.

Arthur Crabb, son of Geo. Crabb of Grand Rapids, Mich., was married, October 18th, to Margaret Ryan, also of that city.

P. Papas is now proprietor of the floral department of Wabash Fruit & Flower Co.'s store, 502 South Wabash avenue, Chicago.

H. W. Field, florist, Northampton, Mass., has gone to Redlands, Cal., with his family for the winter in the hope to benefit his health.

Edward H. Dolby, who conducts a greenhouse at Great Barrington, Mass., and Miss Jessie Chase of North Adams, were united in marriage Oct. 19.

H. P. Hodgkins, formerly with R. & J. Farquhar Co., of Boston, is now New England representative of the Moore Seed Co., of Philadelphia.

E. P. Wallis has been appointed botanical instructor at the Oregon Agricultural College, Corvallis, Oregon. He was formerly at the Maryland Agricultural College.

William Swan, for many years superintendent of Rocky Point Farm, Plymouth, Mass., has resigned his position and will enter the real estate business as agent and representative of the Marden Co-operative Real Estate business of Washington, D. C., with office in Plymouth. Mr. Swan assures us that his heart will, however, still

be true to gardening in all its ways and interests.

We are pained to learn of the serious injuries sustained by J. H. Troy of The Rosary flower store, on Park avenue, New York, on Tuesday of last week. Mr. Troy is said to be on the road to recovery, at his home in New Rochelle, but still suffering much pain. HORTICULTURE joins with a host of anxious friends in the wish that he may speedily recover and be soon restored to his accustomed physical vigor.

James McGregor, treasurer of the North Shore Horticultural Society, was very pleasantly surprised at the meeting of the society on the evening of Oct. 20. The president, Alfred Parsons presented him, in behalf of the society and friends, a beautiful solid gold watch, suitably inscribed, as a token of the esteem in which he is held by the members.

Mr. McGregor, who has been a prominent worker in the society, has been the gardener for Miss Adele G. Thayer for the past 23 years, and is leaving Nov. 1 to take charge of her estate at Dublin, N. H.

St. Louis visitors: Martin Renkauf, representing H. Bayersdorfer & Co., Philadelphia, Pa.; R. Newcomb, representing Vaughan's Seed Store, Chicago.

Boston visitors.—Alfred Emmerich, representing Vilmorin & Co., Paris, France; E. O. Orpet, Lake Forest, Ill.; Frederic H. Evans, president American Institute, New York City; Ed. Roehrs, Rutherford, N. J.; W. C. Langbridge, representing Jerome B. Rice Co., Cambridge, N. Y.

A WEDDING ANNIVERSARY.

On Monday evening, Oct. 23, Mr. and Mrs. Peter Fisher opened their beautiful home at Ellis, Mass., to their friends in honor of the twenty-fifth anniversary of their marriage. It was a most delightful reception and said to be one of the largest affairs ever held at a private residence in Norwood. Friends in the town and friends from a distance, including many of the leading floricultural lights of Massachusetts filled the spacious reception room and affectionately clasped the hands of Boston's famed carnationist and the charming lady to whose companionship for the past quarter of a century so much of his success in life is due. The rooms were decorated in tasteful manner and a bountiful collation was served while the orchestra played. Congratulations and hearty good wishes for twenty-five years more of wedded bliss.

CATTLEYA × EDWARDI.

We are indebted to Ed. Roehrs, orchid expert of Julius Roehrs Co., for the fine photograph reproduced on our cover page. Cattleya Edwardi is a cross between C. Schilleriana and C. Warscewiczii, a very striking and beautiful flower with conspicuous purple markings on the white lip, as shown in the picture. The cross was first made, we think, by Sander in 1902, but has been done repeatedly by others since, including Julius Roehrs Company, who have fine plants of their own production as well as those of foreign origin.

CLUBS AND SOCIETIES

NORTHERN INDIANA FLORISTS' ASSOCIATION.

The Northern Indiana Florists Association held its quarterly meeting at Ft. Wayne, Ind., Oct. 18. A committee was appointed to draft program for next meeting which will be held at South Bend, Jan. 17th, 1912. The program prepared was to consist of the following papers:

System, W. W. Coles; How We Conduct Our Retail Business, J. S. Stuart; Carnation Growing, W. J. Vesey, Jr.

A poll was taken to ascertain the improvements made by members during the year which resulted as follows:

Conner & Uish, rebuilding, \$10,000; Muncie Floral Co., improvements, \$100; Ten Lycke, rebuilding, \$1,000; Jno. S. Leach, new houses, \$1,500; Frank & Sons, new houses, \$15,000; Henry W. Johnson, improvements, \$100; Berberick & Weber, new houses, \$600; Terrell & Son, new houses, \$500; King, Winona Lake Improvements, \$200; W. W. Dederick, new house, \$800; Stuart & Haugh, rebuilding, \$3,000; W. H. Troyer, new houses, \$8,500; W. J. Vesey, Jr., glass for next year, \$2,000; Wagoner Floral Co., improvements, \$500. Making a total of \$43,500.

The following resolutions were adopted:

Since death has claimed our brother and fellow florist, Mr. Clyde Isenberger; be it, therefore

Resolved, That in his death this society suffers a great loss and his wife a kind and indulgent husband.

Resolved, That we tender the widow our sympathy, a copy of these resolutions be placed on the minutes and a copy mailed to the widow.

Respectfully,
J. S. STUART, Com.

The committee on exhibition submitted the following report. In general and as a whole the display and arrangement made a fine showing.

Chrysanthemums—Vesey first on Mme. Tusset, V. Poethum and Omega. Miss Pick second on Omega. Muncie Floral Co. second on Mme. Tusset.

Roses—Muncie Floral Co. first on Kaiserin, Frank & Sons first on Richmond, Pink Killarney, White Killarney, Bride, Bridesmaid, Bassett & Washburn second on Richmond, Pink Killarney. Vesey third on Richmond; first on My Maryland; second on White Killarney, W. Kenyon second on Bride and Bridesmaid, E. G. Hill & Co. first on Mrs. Anna Ward and Sunburst.

Carnations—Vesey first on Enchantress and White Enchantress, Berberick & Weber second on Enchantress; first on Victory, Fryer third on Enchantress and White Enchantress, Frank & Sons second on White Enchantress. The latter showed White Perfection and White Wonder. In addition to the foregoing, Bassett & Washburn showed a vase of elegant American Beauty roses; Vesey a table of orchids, pans of Nepi, Scholzei and Whitmanii and Boston ferns, pot chrysanthemums and decorative plants, Muncie Floral Co., poinsettias, asparagus plumosus and spargeri, yellow primrose, pot covers and bulbs. Willis, Kivner, Vesey of mixed roses and chrysanthemums.

A. J. WAGONER, Sec.

AMERICAN INSTITUTE CHRYSANTHEMUM SHOW.

The annual exhibition of chrysanthemums, orchids, roses, carnations, ferns, palms and decorative plants generally will be held at the Berkeley Lyceum Building, 19 and 21 West 44th street, New York City, on Thursday and Friday, November 2nd and 3rd. A liberal prize list has been provided, covering all the foregoing and many other flowers and plants.

FLORISTS' AND GARDENERS' CLUB OF RHODE ISLAND.

The regular meeting of the Florists' and Gardeners' Club of Rhode Island was held on the evening of Oct. 23, with a good attendance. An important feature of the meeting was the report of a special committee including William Hill, Alexander Macrae and E. A. Appleton, which in substance was to the effect that the special appropriation of the Rhode Island Horticultural Society of \$150 for the annual show will be set aside wholly for premiums to be competed for by florists. This report struck a responsive chord, and many of the florists expressed their willingness to go in and revive the show which for the past four or five years has been sadly lacking in so far as they were concerned.

The principal topic under consideration at the meeting was the planting of trees. Many trees were planted in the public streets of this city during the past year, and the manner and season in which it was done, in some cases, failed to meet with the approbation of some of the members of the club, judging from the nature of their remarks.

At the next meeting of the club on Nov. 20, Michael Sweeney will read a paper on a topic of special interest to the members. The annual election will also occur on this date.

S. A. G.

RHODE ISLAND HORTICULTURAL SOCIETY.

William N. Craig, secretary of the Gardeners' and Florists' Club of Boston, was the principal speaker at the monthly meeting of the Rhode Island Horticultural Society, October 18, in the Public Library, Providence. He spoke on "Hardy Bulbs." After describing the various bulbs he told of the different species and how and when to plant them. A large delegation from the Florists' and Gardeners' Club of Rhode Island was present.

Notice was given of the annual fall exhibition of the society to be held Nov. 4 and 5, calling attention to the departure from previous years of having the exhibition on Saturday and Sunday.

The lecturer, Mr. Craig, was entertained at dinner at the Crown Hotel by President Thomas Hope, Secretary Arthur C. Miller and Treasurer Richard M. Bowen of the Horticultural Society and President Robert Johnston of the Florists' Club.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

Department of Registration.

As no objections have been filed, public notice is hereby given that the registration of the roses, "Genevieve Clark" and "Sunshine," by Jackson & Perkins Company of Newark, Wayne County, N. Y., becomes complete.

H. B. DORNER, Sec'y.

October 19, 1911.

MASSACHUSETTS HORTICULTURAL SOCIETY.

The annual meeting of the Massachusetts Horticultural Society for the election of officers for the ensuing year will be held at Horticultural Hall, Boston, Saturday, November 18, at 12 o'clock. The nominating committee of the Society has just posted the list of candidates to be voted upon at this meeting. Additional nominations can be made within two weeks by papers signed by fifteen members.

The list of regular nominations follows: For president, Charles W. Parker; vice-president (for two years) Walter Hunnewell; trustee (for one year) R. M. Saltonstall; trustees (for three years) four to be elected, Thomas Allen, F. L. Ames, Wm. H. Bowker, Peter Fisher, Harry F. Hall, Henry M. Howard, Thomas Roland, C. S. Sargent; delegate to State Board of Agriculture, Wilfrid Wheeler; nominating committee for 1912, Robert Cameron, Kenneth Finlayson, W. G. Kendall, C. Minot Weld, Frank Wheeler.

WM. P. RICH, Sec'y.

October 21, 1911.

DETROIT FLORIST CLUB.

The Committee on Fall Flower Show has sent out the following bulletin:

Dear Friend: Your duly appointed committee considers itself very fortunate to be able to arrange your Annual Fall Flower Exhibit in a much more convenient place than the salesroom of the Michigan Cut Flower Exchange has been in the past. The Twentieth Century Club, corner Witherell and Columbia Sts., has offered us their building, free of charge, for the purpose of arranging a show on November 14th and 15th, 1911.

While profoundly thankful for the many favors shown us by the Michigan Cut Flower Exchange in the past years, we cannot help but cheerfully grasp the opportunity to display our product without crowding it together within a few square yards, and at the same time, we can ask the public to view our work by paying a small admission fee.

The name "Show" is perhaps too large a name to use because it shall be nothing but our Annual Fall Exhibition distributed over a larger space; in other words, this year will be an attempt to creep without any extra expense to speak of, but simply a lesson so we may be able to "walk" and have a real show in another year.

Prizes to be distributed will be primarily "Certificates," and the points will be so arranged that large growers and small growers have the same opportunity.

Considering that many friends in our trade as well as outside will be glad to offer prizes, your committee has decided to solicit the donations of "Cups" for which the same rules of competition pertain as for the Certificates.

Retailer please observe that several small rooms are at your disposal in this building to make any display you desire. Kindly post this committee as to your wants at an early date.

All of us remember November 14th and 15th.

Let us all help together and we are bound to succeed for the benefit of all.

CHICAGO FLORISTS' CLUB.

All flowers for the novelty exhibition of the Chicago Florists' Club should be shipped, express prepaid, to A. T. Pyfer, secretary, 30 E. Randolph street, Chicago, Ill., to arrive on the afternoon of Thursday, November 2nd.

C. W. JOHNSON,
Manager of Exhibits.

CHRYSANTHEMUM SOCIETY OF AMERICA.

The annual exhibition will be held at St. Louis, Mo., on November 7-11. Blooms must be staged by noon on November 8. Entries to be made to Otto G. Koenig, Sec'y St. Louis Horticultural Society, 6473 Florissant Ave., St. Louis, or to Chas. W. Johnson, Sec'y Chrysanthemum Society of America, Morgan Park, Ill.

Special prizes are offered as follows:

Chrysanthemum Society of America Prize—Best 10 blooms of any one variety, Silver Cup.

Jerome Jones Prize—10 blooms Mrs. Jerome Jones, 1st, \$15.00; 2nd, \$10.00.

Elmer D. Smith Prize—12 blooms in 12 varieties, introductions of 1910 and 1911, shown in separate vases, not less than 12-inch stem, 1st, \$15.00; 2nd, \$10.00.

William Wells Prize—3 blooms Mrs. G. C. Kelly, 1st, Gold Medal; 2nd, Silver Medal; 3rd, Bronze Medal.

William Wells Single Chrysanthemum Prize—6 sprays of Miss Hilda Wells, 1st, Gold Medal; 2nd, Silver Medal; 3rd, Bronze Medal.

Chas. H. Totty Prize—6 blooms T. E. Nash, 1st, \$15.00; 2nd, \$10.00.

Henry A. Dreer Prize—6 blooms yellow seedling of American origin, \$10.00.

Philip J. Foley Prize—6 blooms white seedling of American origin, \$10.00.

J. C. Vaughan Prize—10 blooms pink of American origin, Silver Cup.

Peter Henderson Prize—6 blooms Crimson or Bronze seedling of American origin, \$10.00.

Lord & Burnham Prize—10 blooms any color, never before exhibited in this country, Gold Medal or cash \$20.00. Open to all American or imported varieties.

E. G. Hill Prize—10 blooms Emberta, \$10.00.

E. G. Hill Prize—10 blooms Well's Late Pink, \$10.00.

E. G. Hill Prize—10 blooms Golden Gem, \$10.00.

Hitchings & Co. Prize—30 blooms 6 varieties, 5 blooms each, not less than 18-inch stem, Silver Cup.

Work of Committees.

Cincinnati, Ohio, October 14.—Sport of Glory of Pacific, Jap., color white, exhibited by Henry Weber Sons, Oakland, Md. Commercial scale; color 16, form 12, fullness 10, stem 15, foliage 13, substance 12, size 8; total 86.

Mad Michael Gorday, Jap., color pink, exhibited by E. G. Hill Co., Richmond, Ind., Commercial scale; color 15, form 13, fullness 10, stem 14, foliage 11, substance 14, size 8; total 85.

Sport Gloria, Inc. Jap., color white, exhibited by Elmer D. Smith & Co., Adrian, Mich. Commercial scale; color 16, form 12, fullness 8, stem 14, foliage 12, substance 10, size 9; total 81.

Chicago, Ill., October 14.—White Gloria, Inc. Jap. exhibited by Elmer D. Smith & Co., Adrian, Mich. Commercial scale; color 18, form 10, fullness 9, stem 13, foliage 13, substance 12, size 10; total 85.

CINCINNATI FLORISTS' SOCIETY.

There was a good attendance at the special meeting of the Florists' Society. The entertainment committee reported possible places for entertainment of visiting florists during the show. The time, place and affairs selected by the Society was a Dutch lunch and smoker at the Bismark, on Thursday, Nov. 16 at 8 P. M. Judging from the committeemen's promise that it will be the "best ever" we are sure to have something worth while. The Flower Show's executive committee reported that another silver prize cup had been given, and would be used for the table decorations. The Sefton Manufacturing Co. are the donors.

THE HITCHINGS CUP.

The accompanying cut shows the silver cup offered by Hitchings & Co., for award at the forthcoming exhibition of the Chrysanthemum Society of



America, to be held in St. Louis, Mo., on November 7-11, inclusive. The Hitchings cup is offered for the best thirty blooms of chrysanthemums, six varieties, five blooms each, not less than 18 inch stems.

WESTCHESTER AND FAIRFIELD HORTICULTURAL SOCIETY.

The first annual exhibition of this young and vigorous organization will be held on Friday and Saturday, Nov. 3rd and 4th, at the Casino, Stamford, Conn. We are informed that it will be something quite out of the ordinary and well worth a visit.

CLUB AND SOCIETY NOTES.

J. K. M. L. Farquhar of Boston gave a practical talk to the Civic Association of Gloucester, Mass., on Tuesday night, October 24, on Autumn Work in the Garden.

The topic for consideration at the meeting of the Horticultural Club of Boston, November 1, will be New Chinese Plants on which E. H. Wilson will give an address to be followed by discussion opened by J. A. Pettigrew and Jas. F. M. Farquhar.

The trade in Detroit are becoming very enthusiastic over the fall flower show, November 14 and 15th and everything points to a great success of this, the first show arranged in ten years. Many cups are being donated locally as well as by outsiders.

On Monday evening, October 23, J. K. M. L. Farquhar of Boston addressed the Connecticut Horticultural Society at Hartford on the subject of Horticulture in Japan, illustrated with numerous stereopticon views. The hall was well filled and the lecturer was given an ovation.

Chicago florists are looking forward to another treat at the next regular club meeting, Nov. 2, which will be Chrysanthemum Day. Among the guests expected is E. G. Hill of Richmond, Ind., who will be here in the double capacity of exhibitor and speaker. He will receive a hearty welcome.

Among the fine groups at the fall exhibition of the Lenox (Mass.) Horticultural Society on October 25, that contributed by Julius Roehrs Co. was

especially admired. Among the orchids included was the handsome new *Cattleya labiata* var. *Lenox*, white flower with dark lip. *Cattleyas*—Miss Williams, × *Edward*, × *Portia*, *Dowiana*, *superba* and *Bowringiana*, *Laelia Gouldiana* and *Vanda coerulea* were all well displayed.

The Executive Board of the St. Louis Horticultural Society held a meeting, October 17th, and made all arrangements for the coming Flower Show to be held at the Coliseum, November 7th to 11th. The Chrysanthemum Society of America will meet the same week here, and the show promises to be a large one.

The officers of the St. Louis Florist Club met at R. J. Windler's residence on Monday night, October 23rd, to perfect arrangements to entertain the visiting florists during Flower Show week. Another meeting will be held by the officers before the next meeting of the club.

During Recess

New York Bowlers.

One needn't bowl at all—just sit or stand and watch the gyrations—the wireless idiosyncrasies—the hopes and valetudinations, the individual peculiarities of those who bowl, and one can have a good night's fun with a deep insight to the funnyisms of human nature.

But, above all, 'tis indeed good to meet and chat and forget the troubles connected with business. A new life seems to have given strength to the bowlingly inclined of this city, with Scott president, and Chadwick captain, and a jolly crowd of good fellows behind them with plenty of matches with local teams in prospect. We are sure to have many a merry night on the alleys this winter. The scores on last Friday night were:

Chadwick,	208	179	212	Holt,	112	131	126
Manda,	165	162	155	Lewis,	101	179	157
Rosen,	107	105	121	Nugent,	73	54	105
Scott,	109	83	Weston,	64	92		
Shaw,	114	117	97	Pepper,	55	72	
Kell,	154	138	101	Travis,	127	137	
Young,	92	86	100	Donald,	171	195	

Why not have a series of challenge games between all the clubs? Have the games supervised and otherwise officially attended to same as in other sports or international games. A championship banner or trophies would be a great incentive. Think it over, boys! Games could be held on club's own alleys. DONLAN.

Chicago Bowling League, October 18.

ORCHIDS				VIOLETS			
Holmes,	154	144	171	Reynolds,	145	161	206
Goff,	114	221	179	Holmes,	142	160	180
Duggan,	120	153	147	Wheeler,	127	98	145
Farley,	113	113	179	Wheeler,	154	179	162
Young,	162	189	149	Rivers,	156	138	190
ROSES				CARNATIONS			
McCarty,	88	172	132	Lewis,	114	131	122
Scott,	122	109	179	Adams,	129	166	130
Shaw,	121	108	106	Shaw,	126	179	120
Young,	145	155	141	Bell,	145	147	171
Lewis,	155	170	185	A. Zerk,	150	138	136

The schedule of the third annual tournament of the Chicago Florists' Bowling League, covering from Oct. 4, 1911 to May 15, 1912, is out. It has a tempting list of prizes in money, jewelry, umbrellas, etc., besides the silver cup offered by Zech & Mann for the individual champion.

CHRYSANTHEMUMS.

Read Before Chicago Florists' Club, October 5th, by Elmer D. Smith.

When I promised your worthy President a paper on Chrysanthemums, I did not fully realize the responsibility thus assumed, or I would have been more reluctant in accepting his kind solicitation. Although most of those present are directly or indirectly interested in this subject, yet I venture the large majority do not consider the volumes that have been written during the past decade treating upon every phase of this important branch of Floriculture. The trade papers have from time to time presented excellent cultural notes, and several books have been published by able writers, so that our files are filled with compilations of exceptional merit, and adequate to the needs of this vast country.

Confronted by these facts, it would be the height of folly to attempt to offer food for thought along new lines. The tillage has been nearly or quite complete. And furthermore, this is a very complicated subject when we consider its diversified interests. For these reasons it would seem wise to present only the most important features and presuming the majority of your members are most interested in commercial cut blooms, I will endeavor to give attention to this aspect.

The Early Varieties for Cut Bloom.

Before discussing cultural methods let us first consider best varieties for our purpose. As the early kinds are first on the market, they are naturally initial in these deliberations. I have some misgivings in mentioning those I consider best for this purpose, as it may appear egotistical on my part inasmuch as the earliest White, Yellow and Pink originated with us. Smith's Advance and Golden Glow are the earliest white and yellow and may be had from July onward. Unaka for October first is the earliest large flowering pink. There has been considerable discussion as to the propriety of having varieties which mature before the last of September; this point must be determined by those engaged in this industry. Personally, I would not advise growing in large quantities for the wholesale market, unless the crop is controlled so as to bring them in about September 15th and later. The grower who retails his products, may with impunity provide limited quantities earlier in the season, and use them to good advantage.

For early blooms the most important feature is early planting, and just when this should be done depends upon the date they are to be cut. Smith's Advance and Golden Glow planted the first of May and buds selected about June 25th should mature the last half of August. Successive plantings up to early June and securing the first bud, will give a continued crop of late October. Unaka, planted May first with buds secured August 5 to 10, should all be ready to cut the first half of October. As it is a strong grower, with stems four feet, incurved blooms over 6 inches in diameter, and very similar to Wm. Duckham in color (possibly a little brighter), it has no rival as an early pink. At the present time October Frost and Donatello are making their appearance. Both are good to follow Smith's Advance and Golden Glow, but should be planted in

May or early June to secure best results.

For October 15th to November 1st we would plant Oroba, a white coming in a few days in advance of Ivory, producing larger blooms and of a splendid sturdy, dwarf habit.

Chrysolora for yellow is unsurpassed for this period, being larger than Col. D. Appleton and 15 days earlier, has stronger stem and of the best incurved form. Gloria would be our choice for pink.

These three, like the earlier kinds, are more satisfactory when planted fairly early, not later than June 15th and secure buds about August 15th, which should insure the crop cut and out of the way before the mid-season or November varieties are ready.

Mid-Season.

This brings us up to the mid-season varieties which are so numerous, and in fact there are so many good kinds to select from it does not seem necessary to mention them. The above remarks apply to late flowering section.

Pompons, Anemones and Singles possess the desired qualities to a degree, and are of special value to those who retail their cut and cater to the best trade. They lend grace and beauty to floral arrangements; in fact, the best effects can not be attained without them. The Singles are more fragile and are not so well adapted for consignments that necessitate re-handling.

Soil is the first item to be considered under head of cultural methods. Old sods, cut thin, from a moderately firm soil and piled with one-fifth to one-sixth their bulk of cow manure, six months in advance, furnishes the best material for filling the bench. Some advocate larger quantity of manure, but we find the plants do not need it in their earlier stages of growth, also the wood is firmer and ripens better than where nitrogenous matter is abundant. We prefer giving food later when the plant is strong and the roots active.

Those who wish to utilize old soil, will meet with very good success by using half new and half old. We prefer placing the new at the bottom of the bench, and if prepared compost is not at hand, fresh cut sods chopped and put through a soil mixer will make an excellent substitute.

Planting Time.

As previously stated, the early sorts should be planted if possible early in May. We have calls for early varieties late in July, but the fallacy of such a course is apparent when we consider that instead of planting they should be selecting buds.

The mid-season and late fall flowers will do well if planted in June; it is true fairly good results are the outcome when this operation is deferred to the succeeding month, but the flowers are seldom as large and fine in finish as those which have had ample time to develop a strong plant before selecting the buds.

Early planting in only moderately rich soil gives the best stem and foliage for the commercial grower, namely, smaller leaves on short jointed and firm wooded stems. With the foundation constructed thorough and complete, the building of the bloom will practically take care of itself.

From this time on until the buds appear weeding and watering are the most urgent matters requiring attention. Less water will be required during the first stages of growth, with increased quantity as they gain strength and more foliage.

Time for Taking Buds.

The date for the buds to appear is governed to a large degree by the climatic conditions. During my visit in California (the State of many climates), I was much impressed by the fact that those portions of the state enjoying a cool air produce the earliest blooms and the late ones are from localities more torrid.

At Los Angeles I was told the first in the market come from the growers near the coast, with the late ones from the foot-hills of the mountains only 20 miles distant. No fixed dates can be given, as they vary according to the conditions of the weather during July and August. The cooler the earlier and the warmer the later this change in construction takes place.

On one occasion we had W. H. Chadwick immediately follow Ivory and at other times they have been 60 days apart. With an average season in this section, flowers for September are from buds selected about July 1 to 15; for October, August 1 to 15; for November, August 25 to September 15; for December, September 20 to October 10th. The dates given are only approximate at best as some varieties develop more rapidly than others.

The bulk of Chrysanthemums are planted from June 15th to July 15th, and those best adapted for this purpose are such as produce perfect blooms from buds selected from August 25th to late September. Many of the kinds shown at the exhibitions look beautiful, but are often misleading to the novice, for when placed under the conditions which usually prevail on commercial places are useless. It is far better to rely upon the judgment of some competent person, than to select from the show boards unless you are well versed in these matters.

Light and Nourishment.

I am pleased to state that shading is not practiced as much as in former years. Sunlight is a prime factor in producing strong, sturdy growth. A light shading is, however, highly beneficial to all varieties showing color before October and it is often necessary to continue later, provided bright sun prevails and the temperature rises above normal.

What form of nourishment to supply is a topic of considerable importance. Very few growers entirely agree on this subject. Bone meal, cow, sheep, and in fact, almost any kind of manure is beneficial, but their real value depends upon the amount of plant food they contain, when considered in ratio to price paid. All or part of those mentioned, may be essential in the production of the very largest blooms, which find their way to the exhibitions, but if my object was solely the production of high grade commercial stock, I would prefer a complete concentrated chemical fertilizer, say one containing about 50 per cent plant food. While it costs more per pound than the natural products, it will supply nearly 100 times the amount of the required elements,

namely, nitrogen, potash and phosphoric acid. To make this comparison more comprehensive, one pound of such chemicals is equal to nearly 100 pounds of manure. The first cost would be greater for the chemicals, but we should bear in mind that the entire 50 per cent plant food is available as soon as put into solution. On the other hand, the manure requires considerable labor to bring it into such a form. In the first place, chemicals are placed in a tank of water, and in a few hours are ready to apply with a hose, and in the second the material must either be used in the form of top dressing or reduced to a liquid before it is available. I am frank to admit there is less danger in injuring a crop with manure than chemicals, unless the latter is judiciously applied. Most of such materials are used too strong. Ten years ago we were applying at the rate of one ounce to five or six gallons of water, now the ratio is one to twenty. Weak solutions are much easier, affording perfect control.

Varieties of robust constitution which are usually able to assimilate more food, can be treated at shorter intervals, with the soil recommended.

Thirty pounds of such concentrated chemicals at a cost of less than \$10.00 is sufficient for 30,000 to 40,000 plants. The labor in preparing manure for such a number would alone far exceed the figures given.

Insect Control.

There are a few insects which must be kept in check, if our plants are kept in a healthy condition. Aphids are the most abundant. The past two years we have used hydrocyanic acid gas with most satisfactory results. Its advantages over the various forms of nicotine are that it kills every aphid in the house, and they do not reappear for a month or more. We have fumigated but three times since the middle of May and our stock will be clean into November.

A high grade of cyanide is most effective and we prefer the sodium to the potassium form. W. J. Keimel, Elmhurst, Ill., suggested in one of the trade papers one pound of Paris green to five pounds of brown sugar, using one ounce of this mixture to one gallon of water for thrips. We find this is equally effective in destroying the larva of the leaf tyer and does not discolor the foliage.

The achievements in floriculture are not wrought by any one thing we do, but by the many things given attention at the proper time, and chrysanthemums are no exception to this law. I think all of you will agree with me that superiority in knowledge is not as essential as the ability and energy to attend promptly to every detail, which are of vital importance in marking the degrees of our success. Nature provides a way and we endeavor to assist.

PHILADELPHIA NOTES.

Next Monday will see the R. R. Davis Co. comfortably installed in their new and more commodious quarters at 140 North 13th St.

We have been asked several times what's new in roses and carnations for 1912 that are really worth while. We venture no opinion, but the new ones in these advanced centers. Debut White Killarney and Lady Hillbush in roses, and Wodenoth or White Wond-

WHITE GLORIA.



A sport from Gloria identical in every particular except color which is white with a slightly creamy cast. An introduction by Elmer D. Smith & Co.

der in carnations. To an outsider they seem to have the earmarks of winners and are worth investigating.

B. Cartledge, Samuel S. Pennock and John Westcott, the local judging committee of the Chrysanthemum Society of America have had an easy time of it so far this season. Last Saturday there was but one claimant for their attention a pink incurred from A. Lotze, Glenburnie, Md.

Edward A. Stroud, carnation grower, is branching out and has added hardy plants, shrubs and evergreens—quite an extensive and very select collection. He has specialized for several years on hardy spray chrysanthemums. He has a new one which he calls "Pin's Garza," which he thinks a great deal of and expects to be able to offer to the trade in quantity next March.

The steamer Prinz Adelbert, just arrived, had a phenomenal shipment for M. Rice & Co. of this city. Christmas baskets and their new pebbled pleated paper were conspicuous elements of the importation. The basket display resulting has taken the town by storm, and largely increased store space has been found necessary to give the public an adequate idea of the extent and variety in store for the holidays.

Visitors: Bernard Hobbs, representing Mann & Brown, Richmond, Va.; the two Dudleys, Parkersburg, W. Va.; H. L. Holme, Harrisburg, Pa.; W. L. Farrell, Baltimore, Md.; W. C. Langbridge, Cambridge, N. Y.; B. Rigby, of Pennock-Meehan Co., N. Y. City; also a number of distinguished drummers who did not call on our correspondent. For particulars, they might be asked why their house did not advertise in the youngest and best of all the horticultural trade journals. Well, what else could it be? We wouldn't eat them!

NEW ENGLAND FRUIT SHOW AWARDS.

Winners of the principal prizes at the New England Fruit Show have been announced by the judges. New Hampshire won the first prize of a gold medal and \$100 for the best state exhibit, Massachusetts winning the second prize of a silver medal and \$50. Connecticut won third prize, a bronze medal and \$25. These prizes were for the best exhibit by any state or state organization of 100 boxes and twenty barrels of apples. Quality of fruit, packing and general arrangement were largely considered in awarding prizes.

C. E. Hardy won the Governor Foss cup for the best display of Baldwin apples. The silver shield given by Governor Pothier of Rhode Island for the best exhibit of Rhode Island greenings was awarded to Alfred Durgin of Newmarket, N. H. The International Apple Shippers' Association cup was awarded by Conyer's Farm of Greenwich, Conn., and the \$25 offered by the W. & B. Douglas Company of Middletown, Conn., for the best barrel of King apples, was awarded to Elijah R. Coe of Southington, Conn.

The display of apples of any one variety containing two barrels, two bushels and ten plates, the following were given: C. W. Hall, Salisbury, N. H., first (Baldwin), \$50; C. E. Hardy, H. L. Farn, Branchville, Ct., \$25, third C. E. Hardy, N. H. (Baldwin), \$25.

Morrison, III.—A new cucumber house of the R. R. Davis Co. just completed has concrete foundation and a frame the floor and walls are of cement. An eighty horse-power boiler has been installed.

CHICAGO NOTES.

Trade Items.

Geo. Yvanakos, a nephew of Johnson of the firm of Johnson & Chronis, is opening a store at 1630 Evanston avenue.

Frank Oechslin is receiving three carloads of azaleas this week, all of which are to be used for flowering for the Chicago market.

It is reported that one of the large department stores has placed an order for fifteen thousand small shamrock plants for St. Patrick's Day.

Steve Mann expects to enter the florists' business again soon by opening a retail store on the north west side, near Milwaukee and Powell avenues.

Three horses and a wagon were stolen from the greenhouses of Vaughan's Seed Store, at Western Springs, Ill., last week and have not yet been recovered.

Lloyd Vaughan says the shipping trade demands the Killarneys and Richmonds almost exclusively in roses. The newer varieties are not so popular as these standbys.

Arthur Eichel, of the Mount Greenwood Cemetery Association, has the August Koeble place at 4228 North 40th avenue. Mr. Koeble will have charge of his mother's place at 1933 Irving Park boulevard.

The various parks will have their chrysanthemum shows, beginning early in November. The conservatories will be open till ten o'clock each evening during the display, which this year promises to be very fine.

Chicago experienced its first severe frost of the season, October 23rd, the thermometer registering 27 degrees at Frank Oechslin's and 22 degrees at Geo. Wittbold's, at Edgebrook, where considerable ice formed. The government thermometer, however, recorded 40 degrees as the lowest.

Among the real estate transfers of the past week was the sale of the property in which is located the retail store of J. Mangel, corner Wabash avenue and Monroe street. This is one of the choice corners of the downtown district and the present building will be replaced by a large office building.

The Geo. Wittbold Co. has its new rooming house well under way and it will be a great convenience in caring for the many employees necessary in so extensive a business. The floors are to be of cement and everything made sanitary as well as convenient. This firm is extremely busy filling orders for nursery stock and with the prospect of a short season orders are coming in rapidly.

Personal.

A Chronis has returned from a trip to Greece.

P. J. Foley has lately returned from a trip to Minneapolis.

Mr. Jones, a member of the Percy Jones force.

Wm. Johnson, formerly with the Batavia Greenhouse Co., is now with Vaughan & Sperry.

Frank Ayres left October 26th for Texas and Arkansas, where he will assist in settling up an estate of which he is one of the heirs.

Frank Burton is now in the office of

A Great Exposition

The First Show of the American Land and Irrigation Co. will be held November 3rd to 12th in Madison Square Garden, where the products of the soil from all parts of the country will be displayed.

SEE

our exhibit at booth 19, where will be displayed the products of our seeds, showing the results of years of careful selection.

\$20,000 IN AWARDS

W. E. MARSHALL & CO., 146 West 23rd Street
NEW YORK

the E. H. Hunt Co. as assistant bookkeeper. A. F. Longren has gone on a trip carrying a lot of samples of new goods for the holiday trade, among which are some novelties in baskets.

T. C. Joy and bride are calling on the trade this week. Mr. Joy is the grandson of Thomas Joy, the founder of the greenhouse business at Nashville, Tenn., and was fortunate in buying up a tract of land which afterwards became a part of the city.

OBITUARY.

W. D. Oviatt.

W. D. Oviatt died suddenly at his home on Highland avenue, Rochester, N. Y., on October 9th. He was for many years a grower in his home town and had been in poor health for some time.

John Fraser.

John Fraser, florist and landscape gardener, of East Quogue, N. Y., committed suicide by shooting on October 8th. He was 60 years of age. Despondency over the death of his wife is supposed to have been the cause.

Mrs. Lillian J. Lesure.

Mrs. Lillian J. Lesure, wife of Clyde A. Lesure, florist, died at her home, 272 South street, Fitchburg, Mass., on October 19th, aged 29 years. She had a wide circle of acquaintances in this and other cities to whom the news of her death came as a severe shock.

Albert N. Cole.

Albert N. Cole died October 22 at his home on Hodges street, Mansfield, Mass., aged 81. Mr. Cole was for many years gardener on the fine estate of John Rogers. He recently resigned because of ill-health. His wife died last winter. He lived with his only child, Mrs. Egbert Cole.

Temple, Texas—J. R. Boyd informs us that he is building two houses, 20 x 90, instead of one as reported. He is starting a new floral and nursery business under the name of the Temple Seed & Floral Co., with a Mr. Damier.

INCORPORATED.

Charlottesville, Va.—The Sky Land Orchard Co., capital stock \$5,000 to \$15,000.

Melrose Park, Ill.—Elmhurst Floral Co., capital stock \$10,000. Incorporators, Herman Weiss, Paul L. Haertel and William H. Reich.

Washington, D. C.—The Washington Bulb Co., capital stock \$1,000. Incorporators, Oscar W. D'Alcorn, Edward P. Rodman, and John E. Melton.

Rochester, N. Y.—"Campbell, the Florist," capital stock \$1,000. Directors, Edward C. Campbell and Jesse P. Campbell of Rochester, and Charles Gallery of Gates.

FOR COLD FRAMES

STRAW MATS

6 x 6, - \$1.50, \$17.00 doz.

BURLAP MATS

6 1/4 x 6 1/4, \$1.20, \$14.00 doz.

WM. ELLIOTT & SONS,

42 Vesey St., New York

100,000

FORCING TOMATO PLANTS

in 2 1/2 inch pots at \$20.00 per M in the following varieties: Comet, Sutton's, Winter Beauty, Sutton's Best Of All, Sutton's Abundance, Sutton's A 1.

Cabbage and Lettuce Plants in unlimited quantities and best market varieties.

FOX HALL FARM, NORFOLK, VA.

ONION SETS

HEADQUARTERS FOR THE EAST.

We carry large stocks of choice quality at both our Orange, Conn., and New York City houses. Full line all varieties of Garden and Flower Seeds. Trade List on application.

S. D. WOODRUFF & SONS,

Orange, Conn. 82 Dey Street, New York City.

COLDWELL LAWN MOWERS

Hand—Horse—Motor

Known All Over the World

Catalogue on Request.

NEWBURGH, N. Y.

ENGLISH ELMS WANTED

Several wanted English "field" Elms. This is the type frequently seen in Boston and other places in the Eastern States in large specimens. Old trees can often be identified by their habit of suckering. Trees should preferably be about 15 feet high and 3 inches in diameter. State particulars, giving prices, sizes, location, etc. Address

OLMSTED BROS., Landscape Architects
BROOKLINE, MASS.

PLANT for IMMEDIATE EFFECT BROAD LEAVED EVERGREENS

Rhododendron Maximum, 2-5 feet high

Kalmia latifolia, 1-3 ft. high

in carload lots and small quantities. We also have a fine stock of hardy hybrid Rhododendrons

Eastern Nurseries, Jamaica Plain, Mass.

HENRY S. DAWSON, Manager

Write for Prices

HYBRID ORCHIDS

FLOWERED AND
UNFLOWERED....

Julius Roehrs Co.

Rutherford, N. J.

Seed Trade

Too Much Rain.

While no reports have reached us, it seems certain that the heavy long-continued rains of the past week must have caused considerable damage to all late outstanding crops, and particularly beans and corn. Prior to the past week of rain much damage had been done to beans and it was generally understood by the growers of Michigan and Wisconsin that their bean crops had deteriorated from 25 per cent. to 30 per cent. within the past three weeks. We are fully prepared to hear that this damage has been further augmented another 20 per cent. by the last long-continued downpour. Comment on the weather is useless as practically everyone has already exhausted his vocabulary of adjectives "cuss words" included.

A New High Record for Prices.

The prices, or rather, suggestive values as they are called by the wholesale seedsmen's league, are just out, and they certainly establish a new high record for prices. No one has ever seen standard varieties of peas, beets, carrots, parsnips, parsley and many other items at such extreme

ORCHIDS

Greatest quantity and variety in the country. Established and freshly imported. Also material in which to grow them.

Write for special list and catalogue.

LAGER & HURRELL, SUMMIT N. J.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World

SANDER, St. Alban's, England
and 258 Broadway, Room 721
NEW YORK CITY

ORCHIDS

PLANTS and FLOWERS always on hand

ORDONEZ BROS.

Madison, New Jersey

ROEHRS

Orchids, Azaleas, Palms,
Lorraines, Crotons

RUTHERFORD, N. J.

LORRAINE BEGONIAS

Strong 2 1/4 in. stock, ready for 3 1/4 in.

Per 100, \$15.00; 250 at \$14.00 per 100

THOMAS ROLAND,

Nahant, Mass.

The advertisements which appear in this column have all been written by Ralph M. Ward personally. They are prepared sometimes on the spur of the moment, perhaps during his hour ride on the Reading Railroad every morning and evening, or whenever he feels so inclined and in his various moods. Of course, some you do not like, and some you tolerate, and we have been told some have done us harm. Those which have done us harm have necessarily done others good and we are not so jealous of our competition as to deny them their portion of business. Mistakes are made by Mr. Ward occasionally and sometimes big ones, but we are working away just the same, hoping to improve until we reach that age when we begin to decline, as all men do, and when that time comes we want younger blood to take the reins; continue boosting what is right and make away with the ways and means of bye-gone days. Our business is to sell bulbs—especially lily bulbs—we have no seed store—we sell wholesale only. We import what we sell direct and our sources of supply are reliable actual growers and not merely exporters or dealers. Our aim is to induce growers to buy the best and we discourage the sale of inferior bulbs—for two good reasons: first because a grower cannot succeed in handling inferior bulbs and secondly a permanent business cannot be built up in bulbs alone unless one delivers the very best that can be procured. Write for prices on Horseshoe Brand Bulbs.



Not How Cheap
But How Good

Ralph M. Ward & Co.

12 West Broadway

NEW YORK CITY

Cold Storage Lily Bulbs
always on hand

prices as given in this list. We are of course, not criticising it in any way, as we assume that those who formulated these figures are better qualified to deal with the matter than we are, but we simply could not help a long breath when we first beheld these prices. It is the general opinion of the trade that abnormally high prices are unhealthful and likely to produce demoralization in some form in the not distant future. One of the usual results is that every producer will strain to the utmost to produce crops of the very short varieties, with the result, as has frequently happened, that in from one to three years an exact reversal of form has taken place. We doubt very much if prices will ever revert to the low levels of ten or fifteen years ago, but we certainly look for a sharp reaction from what in a sense may be termed "present artificial values."

An Unusual Request.

In this connection a circumstance rather unusual thing has come to our knowledge and one on which the trade seems to be more or less divided. We are informed that the representative of a great European seed house has been interviewing their customers who have contracts with them for the crop of 1912 of beets, carrots and other biennials with a view of inducing them to agree to pay an increase, varying from 4c. to 5c. per pound over the contract figures agreed upon previously. The reason for this, it appears, is that the supply of roots for these crops in 1912 is very short, many of them being so small that the farmers will not take the trouble to save and transplant them unless they receive an additional price from the seed grower. The latter firm claims it is not willing to bear this advance and cannot afford to; therefore, it has called on all of its customers to agree to pay the premium demanded by the farmers, which so far as we have heard, the seed trade of this country has unanimously agreed to do. We do not wish to criticise this concern, but it would seem to us that it was rather up to them to pay the bonus which they are asking the seed trade to pay for them, and they could have easily recouped themselves by the advanced prices which they will naturally ask during the next two or three years. However, this matter is really of only indirect interest.

We have referred already to the scarcity of seed stocks of peas, and it would seem to be the part of good enlightened business to place contracts at as early a date as possible for peas. We have been repeatedly told by well informed persons in the trade that there will not be seed stocks enough to satisfy the demand of the seedsmen and canners, and those who do not want to be left at the post should arrange for their requirements as soon as the growers have issued their contracting prices for the 1912 crop. Many tardy ones had their orders turned down last spring, and the same fate awaits the tardy again this year, only earlier than usual. We shall try to continue reporting the latest bulletins on this subject until the actual situation becomes known.

Wholesale Seedmen's League.

In looking over the list of prices issued by the Wholesale Seedmen's League, we find many items omitted

Stocks for Easter 1912

MICHELL'S FLOWER MARKET STOCK

The best of all winter flowering stocks. Sown now will be ready for cutting Easter. Colors: Pure White, Flesh Pink, Rose Pink, Light Blue, Dark Blue, Blood Red and Mixed.

1-2 Trade Pkt., 30c.; Trade Pkt., 50c.; Qr. Oz., \$1; Oz., \$3.50

Write for Current Wholesale Catalog

HENRY F. MICHELL,
518 Market Street
Philadelphia, Pa.

<h3 style="margin: 0;">Oats</h3> <hr style="border: 0; border-top: 1px solid black;"/> <h3 style="margin: 0;">Barley</h3> <hr style="border: 0; border-top: 1px solid black;"/> <h3 style="margin: 0;">Wheat</h3> <hr style="border: 0; border-top: 1px solid black;"/>	<h3 style="margin: 0;">Swedish Specialties</h3> <p style="font-size: 0.8em;">Grown Under Government Control by the</p> <p style="margin: 0;">ALL. SVENSKA UTSAEDES AKTIEB, SVALOEF, SWEDEN</p> <p style="font-size: 0.8em;">Descriptive pamphlet, prices and samples on application</p> <p style="margin: 0;">SOLE AGENTS:</p> <p style="margin: 0;">Loechner & Co., 11 Warren St. New York</p>	<h3 style="margin: 0;">Oats</h3> <hr style="border: 0; border-top: 1px solid black;"/> <h3 style="margin: 0;">Barley</h3> <hr style="border: 0; border-top: 1px solid black;"/> <h3 style="margin: 0;">Wheat</h3> <hr style="border: 0; border-top: 1px solid black;"/>
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entirely, though in some instances a note informs the dealer that last year's prices are considered applicable at the present time; but there is one important item which seems to have been entirely overlooked—that is spinach. No prices are given and no mention is made of this item, which we assume is simply an oversight. We are informed that Lem W. Bowen was elected a member of the Wholesale Seedsmen's League at its recent meeting in New York, also that Mr. Bowen was elected a director. We think that the seed trade is to be warmly congratulated in securing the active cooperation of so important a house as D. M. Ferry & Co.

The Onion Crop.

We have not received information regarding the total onion crop of the country thus far this year, but such information as we have indicates that there is a heavy shortage which is fully borne out by the strong prices now ruling. Very few onions are still in the first hands—that is, the farmers. Almost all of them have been bought by the dealers who, whether in a combination or not, seem to be shipping them to market just fast enough to keep the appetite keen, without at any time causing congestion and the lowering of prices. This is generally regarded—that is the high price of onions—as an exceedingly favorable sign that onion seed will be in active demand the coming season. Experience has shown quite conclusively that when onions have sold readily at strong prices there has been active demand for seed. So mote it be.

Samuel Whitefield, for the past eleven years bookkeeper for Weeber & Don, has resigned his position to take charge of the office of W. E. Marshall & Co., 115 West 23rd Street, New York.

Wholesale Grass Seed Dealers' Association.

An adjourned meeting of the Wholesale Grass Seed Dealers' Association of the United States and Canada was held Oct. 18, at the Sinton Hotel, Cincinnati, O. This meeting, which was adjourned from the annual convention at Marblehead, Conn., last June, was called together to complete the work of the year, as the election of officers, reports of committees, etc.

The following firms were represented at the meeting: Albert Dickinson Company, Chicago; Illinois Seed Company, Chicago; Plant Seed Company, St. Louis, Mo.; Charles E. Prunty, St. Louis, Mo.; Schisler-Cornelli Company, St. Louis, Mo.; D. L. Bushnell & Co., St. Louis, Mo.; S. G. Scarlett & Co., Baltimore, Md.; J. Charles McCullough, Cincinnati; The J. M. McCullough Sons Company, Cincinnati; S. N. Flower & Co., Toledo, Ohio; Joseph Breck & Sons Corporation, Boston, Mass.; National Seed Company, Louisville, Ky.; Henry Nungesser & Co., New York, and Barteldes Seed Company, Lawrence, Kan.

The following officers were elected: President, Albert McCullough, of the J. M. McCullough Sons Company, Cincinnati; vice-president, Charles D. Boyles, of the Albert Dickinson Company, Chicago, Ill., and secretary and treasurer, S. G. Scarlett, of S. G. Scarlett & Co., Baltimore, Md.

Waco, Texas—The M. L. Webster Co., seedsmen, of Independence, Iowa, has opened a branch office here.

Portland, Me.—A new seed store has been opened at 49 Exchange street under the firm name of Allen, Sterling & Lothrop. S. Coleman Allen, senior member of the firm, was formerly with Kendall & Whitney.

SUNFLOWER SEED

\$3.50 Per 100 Pounds

This special price for a short time only. Samples sent on request.

J. BOLGIANO & SON
Wholesale Seedsmen
Baltimore, Md.

Farquhar's Flower Seeds for The Florist

Write for our Wholesale Catalogue

R. & J. FARQUHAR & CO.
Boston, Mass.

Established 1820

Thorburn's Bulbs

Wholesale Catalogue

NOW READY

Send for a Copy

J. M. THORBURN & CO.
33 Barclay Street
NEW YORK



PEAS, BEANS, RADISH } Write for Prices
and all Garden Seeds

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

Wholesale
SEED GROWERS AND DEALERS



Wholesale Growers of
Onion, Lettuce, Sweet Peas
and other California Specialties

C. C. MORSE & CO.

48 Jackson St. SAN FRANCISCO, CAL.

BRIDGEMAN'S SEED WAREHOUSE
RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

Sphagnum Moss

In Burlap Bales; per bale \$1.00, 6 bales for \$5.00, 10 bales for \$8.00.

Larger Lots at Lower Prices.

The W. W. Barnard Co.
108-110 W. Kinzie St., CHICAGO

Burpee's Seeds
PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

SEEDS, PLANTS, BULBS

All seasonable kinds of best quality

Special prices on large lots

JAMES VICK'S SONS,
Seedsmen
ROCHESTER, N. Y.

COMPLETE STOCK FRENCH AND DUTCH BULBS

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

CHOICE BULBS

In great variety for present planting—in-doors and out
THOMAS J. GREY CO.
32 South Market Street, Boston, Mass.
FRESH CROP
ASPARAGUS PLUMOSUS
NANUS SEED

(Greenhouse grown.) Due in December. We are now looking orders for both green and white grown Asparagus Plumosus Seed. Write for prices.

S. S. SKIDELSKY & CO.
1215 Betz Bldg. Philadelphia

...THE...

J. C. Robinson Seed Co.
Waterloo, Neb.

Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin Seed; Sugar, Flint and Field Seed Corns.

Braslan Seed Growers Co.
Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

ONION SEED

We have a choice lot of new crop Silver Skin or Portugal, also other varieties. Write for prices.

SCHILDER BROS.
CHILlicothe . . . OHIO



PRINTING Fruitmen, Horticulturists and Poultrymen should get their printing done by specialists. Write for prices to THE REX CO., Harrisburg, Pa.

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Aldine 880. Aldine 881. Aldine 882.

SAMUEL MURRAY

Kansas City, Mo.

913 Grand Ave.

All Orders Given Prompt and Careful Attention



WASHINGTON,

D. C.

GUDE'S

The Far-Famed Flowers of
TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP
96 Yonge St., - - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE
Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.

Members Florists' Telegraph Assn.

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

Philadelphia, Pa.—The store of Frederick Simpson, 4620 Baltimore avenue, has been reopened.

Greenwich, Conn.—Alexander Mead & Sons are now in their new store over the Renown Market.

Pittsburgh, Pa.—John Kober, of 707 Greenfield avenue, employed by a local florist, was run down and injured by a street car on October 16th.

Lynn, Mass.—Frank J. Dolansky has just returned from a ten weeks' stay in Europe. Mr. Dolansky has three houses of cattleyas, mostly Trianaes. His poinsettias, gardenias, roses and carnations all look well.

Salem, Mass.—Henry T. Conant, florist, Essex street, has taken a 10-year lease of a lot a little farther down the street. Excavation for an office has already been made. A large area at the back will be used for greenhouses.

STEAMER DEPARTURES

American.

St. Louis, N. Y.-S'hampton...Nov. 4

Anchor.

Caledonia, N. Y.-Glasgow...Nov. 4

Atlantic Transport.

Minnetonka, N. Y.-London...Nov. 4

Cunard.

Ivernia, Boston-Liverpool...Oct. 31

Mauretania, N. Y.-Liverpool...Nov. 1

Holland-America.

Potsdam, N. Y.-Rotterdam...Oct. 31

New A'st'dam, N. Y.-R't'd'm...Nov. 7

Hamburg-American.

Cleveland, N. Y.-Hamburg...Nov. 1

K. A. Victoria, N. Y.-H'burg...Nov. 4

North German Lloyd.

K. Wilhelm II, N. Y.-Bremen...Oct. 31

G. Kurfuest, N. Y.-Bremen...Nov. 2

P'zess Irene, N. Y.-Medit'r'n...Nov. 4

K'p'z Wilhelm, N. Y.-B'men...Nov. 7

Red Star.

Zeeland, N. Y.-Antwerp.....Nov. 4

White Star.

Cymric, Boston-Liverpool....Oct. 31

Cretic, N. Y.-Mediterranean...Nov. 1

Adriatic, N. Y.-Liverpool...Nov. 2

Oceanic, N. Y.-Southampton...Nov. 4

Arabic, Boston-Liverpool....Nov. 7

Detroit, Mich.—Geo. Brown has appointed a committee to visit Mr. Staehlin's place once a month and report to the florist club on the carnations grown under movable houses.

The Michigan Cut Flower Exchange has added an icebox 9 x 14 feet, principally for carnations.

Boston, Mass.—F. H. Houghton is now well established in his new store, 4 Park street. Old customers have followed him to his new location and it is thought that the move will prove a very wise one.

Miss Comley is in charge of the exhibit of Henry Comley at the Boston Chamber of Commerce Industrial and Educational Exposition in Mechanics' Building. It is the only floral display there.

Harry Quint, who opened a flower store at 199 Tremont street, Boston, the first of October, reports business very satisfactory.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill

Cable Address, ALEXCONNELL

NEW YORK

Orders for Steamer, Theatre, Hotel, or Residence Carefully Filled.

Wm. H. LONG

412 Columbus Ave.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph and Cable address, Dardspier

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points, New York City, New Jersey, etc. At Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

BUFFALO

S. A. ANDERSON

440 MAIN STREET

Special Deliveries Niagara Falls and Lockport

THE ROSERY

76 MAIDEN LANE

ALBANY, N. Y.

FLOWER DELIVERIES FOR ALBANY AND VICINITY

"THE HOME OF FLOWERS"

The largest cut flower store in America. Orders for the TWIN CITIES and for all Northwestern points given prompt attention.

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

SPEAKING OF THANKSGIVING

You'll need Baskets—lots of them for Chrysanthemums, American Beauties, Carnations. It's time to stock up. We have the finest and most varied stock of Standard, Special and Novelty Baskets and Stands, in Willow and Braid, Wicker, Metal, Rattan, Twig and Rush—in natural, antique, or art colors—simple or elaborate, in endless variety and sizes. Over thirty pages of photographs of baskets in our New Catalogue, showing hundreds of styles, and fully described. This superb album of florists' supplies, 11 x 14, over 100 pages of illustrations, prices and descriptive matter, is the most elaborate ever issued. A copy goes free to your address on request.

H. BAYERSDORFER & CO.

THE Florist Supply House of America

1129 Arch Street, - - - PHILADELPHIA, PA.

NEW ENGLAND FLOWER DELIVERIES

Send flower orders for delivery in Boston
and all New England points to

THOS. F. GALVIN
124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery
in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN
194 Boylston Street, Boston

Littlefield

FLORIST

407 & 409 Main St.
Worcester, Mass.

H. F. A. Lange

WORCESTER, - MASS.

Delivers to all Points in New England.
125,000 square feet of glass.

CINCINNATI NOTES.

Mr. and Mrs. J. A. Peterson have returned from their European trip.

Chas. Pfeiffer, Jr., is taking his first vacation in years. He is visiting friends in Idaho.

P. W. Peterson carried with him a number of Flower Show posters on a business trip which he started on Monday.

Mr. and Mrs. Ray Murphy lost their infant daughter, Evelyn Ruth Murphy, on Tuesday morning. The florists sympathize with them in their sad bereavement.

C. E. Critchell and the Cincinnati Cut Flower Exchange were deprived of telephone service on Saturday last from immediately after lunch time until after closing hours. A burglar stole the lead cable, containing their wires, that ran through the basement of a nearby building, now vacant.

Callers: E. J. Fancourt of Pennock-Meehan Co., Phila.; C. M. Witsch of American Foil Co., New York; W. G. Matthews, Jr., Dayton, O.

NEWS NOTES.

Spencer, Mass.—Charles H. Green has just completed a carnation house.

Boston, Mass.—The annual meeting of the stockholders of the Boston Co-operative Flower Market was held at the market, 2 Park street, on October 23d, at 9 A. M. The following directors were elected: John McFarland, W. H. Elliott, David D. Carmichael, Ed. Wood, Robert Montgomery, Norr's F. Comley, James Wheeler, W. W. Tailby and Elijah Cartwright.

NEW FLOWER STORES.

Gary, Ind.—Walter Kryszagorski.

Ardmore, Pa.—Miss Nora Ohl.

Pascoag, R. I.—Thomas Kennedy, Ward block.

Chicago, Ill.—Steve Minon, Milwaukee and Powell avenues.

Hartford, Conn.—John Brodrib has opened a floral department in the store of Wise, Smith & Co.

New Brunswick, N. J.—John Clark will soon move into a new store, 77 Church street, his present quarters, 86 Church street, being too small.

IN BANKRUPTCY.

Boston, Mass.—Albert Scott, florist. Liabilities, \$551.67; assets, none.

BOSTON, MASS.

Penn the Florist

"Penn, The Telegraph Florist"
37-43 BROMFIELD STREET

WELLESLEY COLLEGE

Jana Hall, Walnut Hill and Rockridge Hall
Schools. **TAILBY, Wellesley, Mass.**
Tel. Wellesley 44-1 and 2 Night 44-3

FOR RETAIL STORE TRADE
WE NOW OFFER

Asplenium Nidus Avis (Bird's Nest Fern),
elegantly finished plants \$1.00, \$1.50 and
\$2.00 each; the best plants we ever had,
sure to sell when seen. Pandanus Veltheil,
extra strong plants, \$1.00, \$1.50, \$2.00, \$2.50
and \$3.00 each.

J. A. PETERSON.

McHenry Ave., Westwood, Cincinnati, O.

CHRYSANTHEMUMS

Medium Grade, per 100, \$ 8.00-\$10.00
 Good " " 12.00- 15.00
 Fancy " " 18.00- 25.00

WHITE, PINK, YELLOW
 All Seasonable Varieties

Cattleyas, per doz., \$6.00
 Dendrobium Formosum, per doz., \$5

The Leo Niessen Co.

WHOLESALE FLORISTS

N. W. Corner
 12th and Race Sts., **PHILADELPHIA**

To Cut Flower Growers and Retail Florists

IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

THE BEST LETTERS

FOR
 FLORIST'S
 USE

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THOSE
 MADE
 BY THE

Boston Florist Letter Co

66 PEARL ST., BOSTON

N. F. McCarthy, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock.

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO

MANUFACTURERS

PHILADELPHIA, PA.

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

George B. Hart

WHOLESALE
 FLORIST

24 Stone St., Rochester, N.Y.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention to shipping orders. Jobbers of Florists' Supplies, Seeds and Bulbs. Price list on application.

Phone Main 584-316 Walnut St., Cincinnati

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	BOSTON Oct. 26	CHICAGO Oct. 17	ST. LOUIS Oct. 24	PHILA. Oct. 24
Ara. Beauty, Fancy and Special...	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00
" Extra.....	10.00 to 15.00	10.00 to 15.00	10.00 to 15.00	10.00 to 15.00
" No. 1.....	6.00 to 10.00	6.00 to 10.00	6.00 to 10.00	6.00 to 10.00
" Lower grades.....	1.00 to 4.00	1.00 to 4.00	1.00 to 4.00	1.00 to 4.00
Richmond, Chateaux, Fancy & Spl...	3.00 to 6.00	3.00 to 6.00	3.00 to 6.00	3.00 to 6.00
" Lower grades.....	.50 to 2.00	.50 to 2.00	.50 to 2.00	.50 to 2.00
Killarney, Maryland, Fan. & Spl...	4.00 to 6.00	4.00 to 6.00	4.00 to 6.00	4.00 to 6.00
" Low grades.....	.50 to 2.00	.50 to 2.00	.50 to 2.00	.50 to 2.00
Bride, 'Maid.....	.50 to 5.00	.50 to 5.00	.50 to 5.00	.50 to 5.00
" Taft, Hillingdon.....	2.00 to 8.00	2.00 to 8.00	2.00 to 8.00	2.00 to 8.00
CARNATIONS, First Quality...	2.00 to 2.50	2.00 to 2.50	2.00 to 2.50	2.00 to 2.50
" Ordinary.....	.50 to 1.50	.50 to 1.50	.50 to 1.50	.50 to 1.50
MISCELLANEOUS				
Cattleyas.....	30.00 to 40.00	30.00 to 40.00	30.00 to 40.00	30.00 to 40.00
Lilies, Longiflorum.....	6.00 to 10.00	6.00 to 10.00	6.00 to 10.00	6.00 to 10.00
Lily of the Valley.....	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00
Chrysanthemums.....	4.00 to 12.00	4.00 to 12.00	4.00 to 12.00	4.00 to 12.00
Violets.....	.25 to .75	.25 to .75	.25 to .75	.25 to .75
Sweet Peas.....	.50 to .75	.50 to .75	.50 to .75	.50 to .75
Gardenias.....	8.00 to 25.00	8.00 to 25.00	8.00 to 25.00	8.00 to 25.00
Adiantum.....	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Smilax.....	12.00 to 15.00	12.00 to 15.00	12.00 to 15.00	12.00 to 15.00
Asparagus Plumosus, strings (100)	50.00 to 50.00	50.00 to 50.00	50.00 to 50.00	50.00 to 50.00
" " & Spreng. (100 bchs.)	16.00 to 35.00	16.00 to 35.00	16.00 to 35.00	16.00 to 35.00

J.A. BUDLONG

82-84-86 E. Randolph St., Chicago

OUR STOCK IS A-1 AND IT IS QUALITY NOT PRICES THAT TALKS

Chicago Flower Growers' Association

Wholesale Growers of Cut Flowers and Plants

176 N. MICHIGAN AVE.,

BETWEEN RANDOLPH
 AND LAKE STREETS,

CHICAGO

HENRY M. ROBINSON & CO.

15 Province St., 9 Chapman Pl.,
 BOSTON, MASS.

Everything in Flowers

Complete Stock of Florists' Greens,

Three Floors of Florists' Supplies.

TRY MY PRICES.

J. JANSKY, Tel. Main 3652-1, Boston, Mass.
 19 Province St.,

Manufacturer of Florist Wire Designs,
 All kinds of Florist Supplies.

New crop Dagger and Fancy Ferns, \$1.75 per 1000. Green and Bronze Galax, 90c. per 1000; by the case, \$7.50. Boxwood, 50-lb case, \$7.50; by the lb., 25c. Laurel Wreaths, 10-inch, \$1.75 per doz.; 12-inch, \$2.25 per doz.; 14-inch, \$3.00 per doz.; 16-inch, \$4.50 per doz. Laurel Trimming, 4 and 5c. per yd.

Flower Market Reports

BOSTON Business has dropped off somewhat this week.

Chrysanthemums are accumulating and the result is as heretofore—a setback for the all-the-year-round staples in demand and in price. Roses of all varieties are plentiful and of good quality, the higher grades enjoying the best call. Carnations are better but lower in price. Lily of the valley is not up to usual high class—in fact, the most of it is in the No. 2 class. Violets abound, with prices low for this season of the year, but horse show is soon due and an improvement is to be expected. Lilies are somewhat short in supply. Gardenias vary from the small bruised and unsalable stuff which will hardly bring the price of a good carnation to the exquisite product which sells for \$3 a dozen blooms at wholesale. Orchids abundant and not easily disposed of. Outside markets are unloading cattleya surpluses on this market with ill effect on the local stock.

BUFFALO

Autumn weddings and other social functions are in order, but there has been no special demand on any certain line; at least, it was not noticeable. On Monday, shipments were heavy, and on Tuesday (an all day rain) the demand was light. Dahlias, cosmos and gladioli were in heavy supply and it seemed as if the summer days had returned. Chrysanthemums are abundant, especially Kalb, October Frost, Monrovia, Bergmann, Polly Rose and Pacific. Blooms small and stems from eight to twenty inches, and only useful for floral work. Of the better grades some good Halliday, Tousey, Pacific Supreme and White Cloud are received. Other stock in good supply. Carnations are in poor demand, and accumulating to some extent. Colder weather is looked for, which will be well for the trade in general.

CHICAGO

A very cheerful tone now pervades the market as a whole and the reports from the various houses bear a striking similarity to each other. Just enough stock to go around, day by day, and opportunity to see what your neighbor can supply when the big orders come in late, make the fall business seem fairly under way, as it surely is. There may be those whose books show more profitable Octobers but with out-door flowers lingering till now, the volume of sales is very gratifying. The only flowers that can really be said to be in abundant supply are the chrysanthemums of which there are more than usual for the season. It looks now as if there might prove to be an over supply before the height of the season. The pompons are now coming in also and some report sales of these in excess of the large varieties. There is a decided shortening up of the rose supply, continued cloudy weather being responsible for much of it. Beauties are fine and the demand fully equals the supply. Carnations, especially good in size and quality are seen. The finest noted this week are in white and light pink. Lily of the valley is excellent. Comparatively few violets are in, the season for them being scarcely open here. Dahlias and a few gladioli are



The P/M Ribbons

For many years have been acknowledged leaders both in style and quality; each season we have added new creations more beautiful than the last, aiming always to have a ribbon of pleasing and harmonizing shades for each novelty as it is introduced, whether it be a rose, carnation or sweet pea. It matters not "A ribbon for every flower, old and new," is our slogan. This season is no exception to this, our custom. We having added many new and beautiful shades shades that cannot be found elsewhere. Customers re-ordering time after time, demonstrates to us that the P.M. quality ribbons are and must be by far the best. Samples and prices for the asking.

Florists' Supplies and Other Novelties

Distributing Agents for the great new
Roses for 1912

Double White Killarney and Killarney Queen

(The Budlong Strain)

Grafted, \$250.00 per 1000. Own Root,
\$200.00 per 1000.

AMERICAN BEAUTY

A sample illustration from our general Catalogue of Ribbons and Supplies. Pattern American Beauty or No. 1614. Quality far superior to the many imitations offered. No. 40 width, \$2.00 per piece of 10 yds.; No. 80 width, \$2.75 per piece of 10 yds.

BOXWOOD SPRAYS

New crop. Fresh and glossy. No surplus wood. 50 pound crates, \$15.00 per 100 lbs.

S. S. PENNOCK-MEEHAN CO.

THE WHOLESALE FLORISTS OF PHILADELPHIA

NEW YORK
109 W. 28th Street

PHILADELPHIA
1608-1620 Ludlow Street

WASHINGTON
1212 New York Ave.

WHOLESALE FLOWER MARKETS.—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	CINCINNATI Oct. 3	DETROIT Oct. 24	BUFFALO Oct. 24	PITTSBURG Oct. 24
Am. Beauty, Fan. and Sp.	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00
Extra	15.00 to 20.00	15.00 to 20.00	15.00 to 20.00	15.00 to 20.00
No. 1	10.00 to 15.00	10.00 to 15.00	10.00 to 15.00	10.00 to 15.00
Lower grades	4.00 to 10.00	4.00 to 10.00	4.00 to 10.00	4.00 to 10.00
Richmond, Chatsenay, Fan. & Spl.	6.00 to 8.00	6.00 to 8.00	6.00 to 8.00	6.00 to 8.00
Lower Grades	3.00 to 5.00	3.00 to 5.00	3.00 to 5.00	3.00 to 5.00
Killarney, Maryland, Fan. & Spl.	6.00 to 10.00	6.00 to 10.00	6.00 to 10.00	6.00 to 10.00
Low. Grades	2.00 to 5.00	2.00 to 5.00	2.00 to 5.00	2.00 to 5.00
Bride, 'Maid,	3.00 to 6.00	3.00 to 6.00	3.00 to 6.00	3.00 to 6.00
Taft, Hillingdon	3.00 to 6.00	3.00 to 6.00	3.00 to 6.00	3.00 to 6.00
CARNATIONS, First Quality	1.50 to 2.00	1.50 to 2.00	1.50 to 2.00	1.50 to 2.00
Ordinary .....	.75 to 1.00	.75 to 1.00	.75 to 1.00	.75 to 1.00
MISCELLANEOUS				
Cattleyas	30.00 to 50.00	30.00 to 50.00	30.00 to 50.00	30.00 to 50.00
Lilies, Longidorm	10.00 to 12.00	10.00 to 12.00	10.00 to 12.00	10.00 to 12.00
Lily of the Valley	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Chrysanthemums	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Violets .....	.50 to .75	.50 to .75	.50 to .75	.50 to .75
Sweet Peas .....	.75 to 1.00	.75 to 1.00	.75 to 1.00	.75 to 1.00
Gardenias	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Adiantum	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Smilax	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Asparagus Plumosus, strings (100) ..	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00
" " & Spreng. (100 bchs.) ..	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00

all that is left of the October stock, the last are on the counters this week. There is a good supply of all kinds of green stock, home grown and from the south.

The words "variable and easy" describe very aptly the condition of the market. It is variable be-

cause the demand occasionally slackens for a day or so. It is easy because the supply is as a whole larger than demand. The outside flowers, cosmos, dahlias, gladioli, are still in the market and are holding down prices. Last week the market on roses was very light. This week thus far it has

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NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Oct. 21 1911		First Half of Week beginning Oct. 23 1911	
	10.00	30.00	10.00	30.00
American Beauty, Fancy and Special.....	10.00	30.00	10.00	30.00
“ “ Extra.....	6.00	12.00	6.00	12.00
“ “ No. 1.....	4.00	8.00	4.00	8.00
“ “ Lower Grades.....	1.00	4.00	1.00	4.00
Richmond, Chateaux, Extra and Special.....	2.00	4.00	2.00	4.00
“ “ Lower Grades.....	.50	2.00	.50	2.00
Killarney, My Maryland, Extra and Special.....	2.00	4.00	2.00	4.00
“ “ Lower Grades.....	1.00	2.00	.50	2.00
Bride, Maid.....	.50	4.00	.50	4.00
“ “ Taft, Hillingdon.....	2.00	5.00	2.00	8.00
Carnations, First Quality.....	1.50	3.00	1.50	2.00
“ “ Ordinary.....	1.00	1.50	1.00	1.50

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Wholesale Florists

383-387 ELLICOTT ST.

BUFFALO, N. Y.

NEW YORK QUOTATIONS PER 100. To Dealers Only

Flower Market Reports.

(Continued from page 573)

been easier but all are selling nicely. The cut of American Beauties is letting up somewhat. All the roses are good. White carnations are in a very heavy supply and consequently do not sell up as quickly as the others. The prices on all are easy. Chrysanthemums are in heavy supply. All the choicer and better varieties sell nicely if good and clean and not bruised. Estelle alone moves slowly but then the supply is so large of this last that the sales are not as noticeable as in the other varieties. Lilies, while not enjoying a good call, still are good property. Lily of the valley, double and local single violets, orchids and pansies sell quickly. There is a good market for greens.

The annual experience **DETROIT** that chrysanthemums need cool, crisp weather to become quick sellers is being proven again and the many rainy days and comparatively warm weather of the past week have kept the demand for flowers in general and chrysanthemums in particular far below the supply. Pompons appear to fare better than the large varieties, being very useful for table decorations.

Mild weather continues to favor outdoor flowers—dahlias, cosmos and some chrysanthemums. The rose crop is not particularly heavy but demand lags; so, too, it is with carnations—they are not even in fair demand. Violet shipments are light—the demand equally so. There is no brisk demand for anything, gardenias excepted because of light supply. Chrysanthemums are in full swing and command the situation. Prices on the better grades are, perhaps, not so high as a year ago but seem to equal on the medium grades. The early variety, Polly Rose, Monrovia, Carmolita, Early Snow and Pacific Supreme are by no means over. Bonnafton and Appleton are here also, so taken altogether the supply is large and considering the general business conditions they are doing as well in price as could be expected. It would seem that there are just enough of cattleyas in the market and good flowers sell readily.

What between **PHILADELPHIA** baseball and bad weather it was a hard week for bootblacks and the flower business. We have not had such a solid week of rain at this season for many years. There was very little business—and no chance at all—

MISCELLANEOUS

	Last Half of Week ending Oct. 21 1911		First Half of Week beginning Oct. 23 1911	
Cattleyas.....	25.00	to 40.00	35.00	to 50.00
Lilies, Longiflorum.....	5.00	to 10.00	6.00	to 10.00
Lily of the Valley.....	1.00	to 3.00	1.00	to 2.00
Chrysanthemums.....	4.00	to 16.00	4.00	to 16.00
Daisies.....	.10	to .25	.10	to .25
Violets.....	.15	to .40	.25	to .50
Gardenias.....	12.00	to 25.00	12.00	to 25.00
Adiantum.....	.50	to .75	.50	to .75
Smilax.....	6.00	to 8.00	6.00	to 8.00
Asparagus Plumosus, strings.....	.....	to 35.00	.....	to 35.00
" & Spreng. (100 bchs).....	10.00	to 20.00	10.00	to 20.00

towards the end of the week—to work off the accumulations at any price. So, the less said about the tragic third week of October, the better. Let us discuss the nebular hypothesis of the creation as a diversion. At this writing, (Oct. 24), sun has been out two days, and the bad dream is at an end.

The weather continues to be unsettled and comparatively warm for this time of the year. The market for roses is improving and the stock is coming in good. Locally-grown American Beauties were never better; Radiance is all that its name implies; Mrs. Taft slightly more in demand than heretofore and Richmond coming in in considerably better shape. Lily of the valley is going good and so are carnations. Pink and white still lead in sales although there is quite a little call for reds. Lilies are going slow, due to the fact that there are plenty of chrysanthemums of fine quality and in all the colors. Dahlias are of very good quality but are in little demand. Smilax is holding fire in the local market; adiantum is moving well and Asparagus plumosus is in good demand but Sprengeri is not being called for very much. There are plenty of Oncidium Rogersii on the market and the general demand for orchids equals the supply as is the case also with gardenias; in other words, there are just enough of each. Violets are coming in good.

The local market was **ST. LOUIS** in excellent condition all of the last week. The wholesalers were receiving daily a fine assortment, all of which had a fairly good demand, but not large enough to consume all the stock. Prices were not too high. Carnations are coming in much better of late.

Middletown, N. Y.—The business of Mr. Gilbert has been taken over by Jas. Lough of Staten Island, who will grow a general line of stock.

NEWS NOTES.

Logan, Ohio—J. Turner, of Pittsburgh, has purchased the greenhouse of Isaiah Vous.

Springfield, Ill.—A greenhouse will be opened here in the near future by W. Y. Perry and wife.

Upton, Mass.—The Oak Grove Nurseries, L. C. Fiske, proprietor, have discontinued business.

Florence, Mass.—F. D. Keyes has finished his new greenhouse and planted it to a general line of stock.

FLORISTS' HARDY SUPPLIES

Dagger and Fancy Ferns, Moss,
Galax, Laurel Roping, Southern
Smilax, Boxwood, Etc.

Hartford & McDonough 70 PEMBERTON SQ., BOSTON IN THE SWIM

*I must be in the swim,
You might forget my name,
And say that I am to blame,
If you do not get the best.*

Christmas Trees, Spruce or Balsam, from one foot to thirty, in any quantity; Baled Spruce, Balsam, Hemlock Boughs, Laurel and Evergreen Festooning and Wreaths, Sphagnum Moss, Hardy Cut Fancy and Dagger Ferns. Yearly Contracts Made. Send for Price List and order your Christmas Trees now. **GET THE BEST.**

H. J. SMITH, Hinsdale, Mass.

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Green Galax, \$3.50 per case of 10,000; 40c. per 1000. All large sizes if preferred. A-1 stock only.

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Achyranthes, rooted cuttings: Metallica, Lindenli, Warszewiczii, \$6.00 per 1000; P. de Bailey, \$10.00 per 1000; 2 in., \$2.50 per 100.

THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

AGERATUM

Ageratum, Stella Gurney, 2 in., Princess Pauline, 2 in., \$2.00 per 100.

THE GEO. WITTBOLD CO.,
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ALTERNANTHERAS.

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Ampelopsis Veitchii, 1-yr. plants, \$3.00 per 100; \$25.00 per 1000.

Wm. Eschrich Co., North Milwaukee, Wis.

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Godfrey Eschmann, 1012 Ontario St., Philadelphia.

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ASPARAGUS

A. N. Pierson, Inc., Cromwell, Conn.
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Asparagus plumosus seedlings, clumps, sprays and seeds. Write for prices. Peter Mack, Orlando, Fla.

Asparagus plumosus, 3 in., 6c. A. Sprenger, 3 in., 4c.; 4 in., 6c.; 5 in., 12c. Schneider, Florist, Springfield, Ohio.

Asparagus plumosus, strong 2½-in., fine, cold frame grown stock, \$3.00 per 100; \$25.00 per 1000. C. Winterich, Cyclamen Specialist, Defiance, O.

10,000 Asparagus plumosus, strong, bushy plants, from 3-in. pots, ready to shift, \$3.00 per 100; \$25.00 per 1000. Samples, 10c. Cash with order. C. C. Yost, Lebanon, Pa.

Asparagus Sprenger, extra strong healthy stock from 3 in. pots, \$2.50 per 100, cash. No better stock ever offered for the money. O. B. Kendrick, 52 Alexander Ave., Belmont, Mass.

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Hobbink & Atkins, Rutherford, N. J.
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Bay Trees and Box Trees, all sizes
Write for special List

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Lorraine Begonias.

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BOXWOOD SPRAYS

Tree variety goods. Quality guaranteed. Write us your requirements. Jones, The Holly Wreath Man, Milton, Delaware.

BOXWOOD TREES

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Box Trees all sizes. Ask for special list.

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French and Dutch Bulbs.

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A. T. Boddington, 342 W. 14th St., N. Y.
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Rickards Bros., 37 East 19th St., New York.
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Henry F. Michell Co., Philadelphia, Pa.
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James Vick's Sons, Rochester, N. Y.
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John Lewis Childs, Flowerfield, L. I. Fall Bulbs.

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The W. W. Barnard Co., Chicago, Ill.
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Fottler, Fliske, Rawson Co., Boston, Mass.
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E. S. Miller, Wading River, N. Y.
Bulbs and Roots for Fall Planting.

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A. Henderson & Co., Chicago, Ill.
Late Dug Formosa

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R. Vincent, Jr. & Sons Co., White Marsh, Md.

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THE IMPROVED CANNA.

We have a finer stock of these Improved Wintzer Wonder Cannas than ever before in our history. The price for new kinds is likely to be higher in the Spring because the demand justifies it and the supply is short. For other first class kinds prices reduced. Get our list before ordering. The Conard & Jones Co., West Grove, Pa.

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Chicago Carnation Co., Joliet, Ill.
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S. S. Pennock-Meehan Co., Phila., Pa.
Field Grown Carnation Plants.
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Wood Bros., Fishkill, N. Y.

Field Grown Plants.

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CARNATIONS—Continued

300 Enchantress, \$5.00 per 100; 200 Windsor, \$4.00 per 100. Field grown, best of stock. Bid on the lot. O. L. Baird, Dixon, Ill.

Carnation Plants—Field-grown, Enchantress, \$5.00 per 100; white and pink Lawson, \$4.00 per 100. Cash. M. J. Schaaf, Dansville, N. Y.

Carnations, field-grown plants, 500 Queen, 200 Lawson, 200 H. Penn, 100 Nelson Fisher, \$6.00 per 100 or \$40.00 for the lot. Chas. H. Green, Spencer, Mass.

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Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 2000 for \$1.00 post paid. I. L. Pillsbury, Galesburg, Ill.

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H. J. Smith, Hinsdale, Mass.
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CHRYSAETHUMS

Elmer D. Smith, Adrian, Mich.
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Chrysanthemums, rooted cuttings, Monrovia, Polly Rose, \$12.00 per 100. Violets, Princess of Wales, \$6.00 per 100; \$50.00 per 1000. Chas. Lenker, Freeport, L. I., N. Y.

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20th Century Plant Food Co., Beverly, Mass.
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COLEUS

Coleus, 2-in. rooted cuttings, Beckwith's Gem, Golden Bedder, \$6.00 per 1000; 2-in. Pfister, red and yellow, Beckwith's Gem, Golden Bedder, Verschafelt, \$2.00 per 100.

THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

CYCLAMENS

Cyclamen—Best Varieties in different colors. 3 inch pots, strong plants, \$10.00 per 100. \$80.00 per 1000. Julius Roehrs Company, Rutherford, N. J.

CYCLAMEN GIGANTEUM SEED. Finest plants; in choicest mixtures, grand. 250 seeds, \$1.00; ½ pkt., 50c.; 1000 seeds, \$3.50. John F. Rupp, Shiremanstown, Pa.

Giant cyclamen, our own grown strain, selected from the very best and well built plants and flowers. Seed, \$1.00 per 100, \$6.00 per 1000; nearly all sold out. August seedlings, \$2.00 per 100; \$18.00 per 1000. Plants, well set with buds, 4-in., \$18.00 and \$25.00 per 100. Orders amounting to \$25.00, 10 per cent. off. Here is one of the many letters we received from satisfied customers: E. A. Butler & Son, Niagara Falls, N. Y., say, "The plants are excellent, the finest we have ever had and, if the seed this year is of the same quality, we will be perfectly satisfied." Our aim has been to, and we have, improved our strain every season. Cultural directions with every order. C. Winterich, Cyclamen Specialist, Defiance, O.

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Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

Dahlias, divided roots, from 1 to 3 eyes to the piece. Send for list and get the latest varieties. W. P. LOTHROP, Brockton Dahlia Farm, E. Bridgewater, Mass.

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DAHLIAS—Continued

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If you are looking for dahlia stock for your 1912 catalogue, send for Trade List to the Dahlia King, J. K. Alexander, East Bridgewater, Mass.

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Have a surplus of the following standard kinds:

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Cash price for extra heavy field clumps good for five (5) and more good divisions, \$1.50 per dozen; \$3.00 per 50; \$5.00 per 100; \$45.00 per 1000. Cash please.

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Double Daisies (Bellis), mixed, nice plants, \$1.25 per 500; \$2.00 per 1000. M. B. Saunders Co., 25 Burnett St., Providence, R. I.

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John Scott, Brooklyn, N. Y.

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Dracaena indivisa, fine stock; 3-in., \$5.00 per 100; 4-in., \$7.00 per 100.

Sable Bros., Fredonia, N. Y.

DRACAENA INDIVISA.

Strong plants ready for 5 in. pots, \$10.00 per 100.

Vern L. Schuraff, Erie, Pa.

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John Scott, Brooklyn, N. Y.

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Robert Craig Co., Philadelphia, Pa.

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Frank Ochslin, 4911 Quincy Street, Chicago.

Ferns for Dishes.

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Special Roosevelt Ferns.

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Boston Ferns, 5 in., 6 in., 7 in. pots, \$3.00, \$6.00 and \$9.00 a dozen. Andrew P. Peterson, South Lincoln, Mass.

Ferns. Handsome stock. Boston, Whitman. Elegantissima compacta, Springfieldii, Amerpohlii, Scholzei. Rooted runners, \$1.80 per 100; 3 in. St. 4 in., 15c.; 5 in., 25c. Sample sent for 25c. Satisfaction guaranteed. Ferns are grown at Cleveland, Ohio, plant. 60,000 feet of modern glass devoted to ferns and asparagus. Special prices on large quantities for cash only. Schneider, Florist, Springfield, Ohio.

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Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

Boston Ferns—6-inch pots, 45c. each, \$40.00 per 100. Whitman Ferns, 4-inch, 20c. each, \$15.00 per 100; 5-inch, 30c. each, \$25.00 per 100; 6-inch, 45c. each, \$30.00 per 100; 7-inch, 60c. each, \$55.00 per 100; 8-inch, 75c. each, \$70.00 per 100. *Picus Elasticus*, 35c., 50c. and 75c. each. Cash please. Queen City Floral Co., Manchester, N. H.

FOR IMMEDIATE DELIVERY WE OFFER

Adiantum Farleyense, 2½ inch strong plants, \$12.50 per 100; 4 inch, \$40.00 per 100. This is a great bargain for stuff of quality (we need the room).

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Wizard Brand Cattle Manure.

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19 Exchange Place, Boston, Mass.

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Hardwood ashes, best fertilizer on earth for lawns and gardens. George Stevens, Peterborough, Ont., Canada.

FEVERFEW

Feverfew. Rooted cuttings, \$2.00 per 100, or \$18.00 per 1000. Adolph E. E. Koch, Nohscot, Mass.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.

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FLORISTS' LETTERS

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.

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FLORISTS' SUPPLIES

N. F. McCarthy & Co., 84 Hawley St., Boston.

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H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.

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M. Rice & Co., 1220 Race St., Phila., Pa.

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Reed & Keller, 122 W. 25th St., New York.

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H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

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S. S. Pennock-Meehan, Philadelphia, Pa.

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FLOWER POTS

W. H. Ernest, 28th and M Sts., Washington, D. C.

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A. H. Hews & Co., Cambridge, Mass.

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Hilfinger Bros., Ft. Edward, N. Y.

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Syracuse Pottery Co., Syracuse, N. Y.

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Peters & Reed Pottery Co., Zanesville, O.

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FORGET-ME-NOTS

Forget-me-nots, winter flowering, large clumps, to close out, \$1.00 per 100. Plants from seed bed, \$2.50 per 1000. Cash. M. B. Saunders Co., 25 Burnett St., Providence, R. I.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

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Kervan Co., New York.

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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.

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Geraniums, standard varieties, 2½-in., \$2.00 per 100. Ready now.

Sable Bros., Fredonia, N. Y.

Geraniums, S. A. Nutt 2 in., Rose 2 in., \$2.00 per 100.

THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

GLASS

Boston Plate & Window Glass Co., Boston.

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Standard Plate Glass Co., 26-30 Sudbury St., Boston.

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Foley Mfg. Co., Western Ave., between 25th and 26th Sts., Chicago.

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Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.

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Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.

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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.

Peerless Glazing Point.

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GNAPHALIUMS.

Gnaphalium Lanotum cuttings, 2 in., \$2.00 per 100.

THE GEO. WITTBOLD CO.,

Edgebrook, Chicago, Ill.

GREENHOUSE BUILDING MATERIAL

A. T. Stearns Lumber Co., Neponset, Boston.

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King Construction Co., N. Tonawanda, N. Y.

For page see List of Advertisers.

J. C. Moninger Co., 117 East Blackhawk St., Chicago, Ill.

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Foley Mfg. Co., Chicago.

Pecky Cypress for Benches.

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Lord & Burnham Co.,

1133 Broadway, New York.

S. Jacobs & Sons, 1359-63 Flushing Ave., Brooklyn, N. Y.

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GREENHOUSE CONSTRUCTION

Foley Mfg. Co., Chicago.

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King Construction Co., N. Tonawanda, N. Y.

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A. T. Stearns Lumber Co., Boston, Mass.

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Lord & Burnham,

1133 Broadway, New York.

Hitchings & Co., 1170 Broadway, N. Y.

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Pierson U-Bar Co., Madison Ave., New York

Designer and Builder.

GUTTERS

King Construction Co., N. Tonawanda, N. Y.

King Channel Gutters.

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HAIL INSURANCE

Florists' Hall Asso. of America.

J. G. Esler, Saddle River, N. J.

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HARDY FERNS AND SUPPLIES

Michigan Cut Flower Exchange, 28 and 40 Broadway, Detroit, Mich.

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The Kervan Co., New York

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In writing to Advertisers kindly mention Horticulture

HARDY FERNS AND SUPPLIES—
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Hartford & McDonough, Boston, Mass.
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J. Jansky, Boston, Mass.
For page see List of Advertisers.
H. J. Smith, Hinsdale, Mass.
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HEATING APPARATUS

Kroeschell Bros. Co., 408 Erie St., Chicago.
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Lord & Burnham Co.,
1133 Broadway, New York.

HELIOTROPE

Heliotrope, colored cutting 25, \$6.00 per 1000.
Heliotrope, 2 in., \$2.00 per 100.
THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

HERBACEOUS PLANTS

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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New England Nurseries, Bedford, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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HEMEROCALLIS LILY

Fulva \$2.50 per 100. C. S. Harrison &
Select Nursery Co., York, Neb.

HOLLYHOCKS

Hollyhocks, choice plants, finest double,
separate colors, white, yellow, pink, red,
25c. per doz., 75c. hundred. Oriental hardy
poppy, yearling pot plants, mammoth
flowers, 50c. per dozen.
Winzett & Flery, Springfield, Ohio.

HOSE

H. A. Dreer, Philadelphia, Pa.
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HOT-BED BASH

A. T. Stearns Lumber Co., Neponset, Mass.
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Foley Mfg. Co., Chicago.
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Parshelsky Bros., Brooklyn, N. Y.
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Lord & Burnham Co., 1133 Broadway, N. Y.

HYDRANGEAS

F. R. Pierson Co., Tarrytown-on-Hudson,
New York.
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INSECTICIDES

Eastern Chemical Co., Boston, Mass.
Imp. Soap Sprag.
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Nicotidde kills all greenhouse pests.
P. R. Palethorpe Co., Owensboro, Ky.
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Stumpp & Walter Co., New York.
Kiln-dried Tobacco Dust.
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Aphine Manufacturing Co., Madison, N. J.
Aphine.
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E. H. Hunt, Chicago, Ill.
To-Bak-line Products.
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Wilson Plant Oil and Fertilizer Co., New
York, N. Y.
Wilson Plant Oil.
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Acme Nicotine Insecticides sold direct to
the grower. Acme 45 per cent. Liquid,
pint \$1.75; gallon \$12.50. Acme Fumigat-
ing Paper, case of 288 sheets \$5.50. Sample
can of 24 sheets 60 cents, prepaid J. P.
Reermaker, 9 Washington Ave., St. Louis,
Mo.

IRISES

Henry A. Dreer, Inc., Phila., Pa.
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IRISES, All colors, 2 in., \$2.00 per 100.
H. A. Dreer, Inc., Phila., Pa.
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IVIES

Ivy, German, 2 in., \$2.00 per 100.
THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

JERUSALEM CHERRIES

JERUSALEM CHERRIES, pot grown,
strong and well berried plants, 4-in., \$10.00
per 100. Cash, please. F. Sokol, Worces-
ter, Mass.

KENTIAS

Bobbink & Atkins, Rutherford, N. J.
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A. Leuthy & Co., Roslindale, Mass.
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LANDSCAPE GARDENING COURSE

Home Correspondence School, Springfield,
Mass., Dept. 8.
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LANTANAS

Lantana, Delicatissima, 2 in., \$2.00 per 100.
THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

LAUREL

Laurel wreaths roping and branches
furnished on short notice. Jones, The
Holly Wreath Man, Milton, Delaware.

LILAC

Rouen, 3 to 4 feet, six to fifteen branches,
an ideal hedge as it stands, \$10.00 per 100.
C. S. Harrison's Select Nursery Co., York,
Neb.

LILIUM HARRISII

F. R. Pierson Co., Tarrytown-on-Hudson,
N. Y.
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**LILIUM MULTIFLORUM AND GIGAN-
TEUM**

R. M. Ward & Co., New York, N. Y.
Horse Shoe Brand.
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MARGUERITES

Marguerites, white and yellow cuttings,
\$6.00 per 1000.
THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

MASTICA

F. O. Pierce Co., New York, N. Y.
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MATS FOR COLD FRAMES

Wm. Elliott & Sons, New York, N. Y.
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NICO-FUME

Kentucky Tobacco Product Co.,
Louisville, Ky.

NIKOTEEEN APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.

NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.
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New England Nurseries, Bedford, Mass.
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W. & T. Smith Co., Geneva, N. Y.
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Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
Conard & Jones Co., West Grove, Pa.
Bay State Nurseries, North Abington,
Mass.
Hardy, Northern Grown Stock.
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McHutchison & Co., New York, N. Y.
Direct Importations.
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F. E. Conine Nursery Co., Stratford, Conn.
Large Evergreens, Deciduous Trees, Large
Shrubs, Etc.
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TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00 by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

ONION SEED

Schlider Bros., Chillicothe, O.
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ONION SETS

Leonard Seed Co., Chicago, Ill.
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S. D. Weidrich & Sons, New York, N. Y.
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ORCHID FLOWERS

Jas. McManus, New York, N. Y.
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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
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Ordonez Bros., Madison, N. J., Box 108.
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Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
For page see List of Advertisers.

Orchids—largest stock in the country.
Stove plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.

Orchid Growers' Manual. By B. S. Wil-
liams, 300 illustrations, 800 pages; descrip-
tions of upwards of 2500 species and varie-
ties of orchidaceous plants, etc. The most
complete work on Orchids and orchid cul-
ture ever published. Price \$10.00. Orders
filled by HORTICULTURE, 11 Hamilton
Place, Boston.

Edward V. Low, late of Hugh Low &
Co., dissolved, Vale Bridge, Haywards
Heath, England. "White" Cattleyas and
Choice Cypripediums are leading features.

PALMS, ETC.

Henry A. Dreer, Inc., Philadelphia, Pa.
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A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.

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Robert Craig Co., Philadelphia, Pa.
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John Scott, Brooklyn, N. Y.

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Julius Roehrs Co., Rutherford, N. J.
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Joseph Heacock, Wyncote, Pa.

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PANDANUS

Henry A. Dreer, Inc., Philadelphia, Pa.
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PANSIES

We offer seedlings of Giant Pansies,
mixed, Calliopsis grandiflora and Sweet
Williams at 35c., 100; \$2.75, 1000. Russell
Bros., Syracuse, N. Y., Route 4.

PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4;
2 in., \$3. Shipped flat, low freight rates.
Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
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PECKY CYPRESS BENCHES

Foley Mfg. Co., Chicago.
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A. T. Stearns Lumber Co., Boston, Mass.
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PEONIES

Henry A. Dreer, Inc., Philadelphia, Pa.
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PEONIES—1200 sorts, an enormous stock
list ready. C. Betscher, Canal Dover, O.
"Fragrans," late dark pink, large divi-
sions, \$6.00 per 100, \$50.00 per 1000. Chas.
Lenker, Freeport, L. I., N. Y.

PEONIES—Send for our wholesale list.
C. S. Harrison's Select Nursery Co., York,
Neb.

PHILON

Henry A. Dreer, Inc., Philadelphia, Pa.
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PHILON, Field grown. C. S. Harrison's
Select Nursery Co., York, Neb.

PHOTOGRAPHS

I make a specialty of photographing
flowers, plants, etc., for reproduction. Let
me submit samples and prices on material
for the next catalogue or circular. Special
work to order at reasonable prices. Nathan
R. Graves, 414 Hayward Bldg., Rochester,
N. Y.

PLANT STAKES

Seele's Tieless Plant Stakes and Trell-
ises. H. D. Seele & Sons, Elkhart, Ind.

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PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

PIPE AND FITTINGS

Foley Mfg. Co., Chicago.

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Kroeschell Bros., Co., 466 Erie St., Chicago.

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Metropolitan Material Co., Brooklyn, N. Y.

POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp.
\$1.25 by mail. I. N. Kramer & Sons, Cedar
Rapids, Iowa.

POULTRY AND FARM REVIEW

The Rex Company, Harrisburg, Pa.

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POULTRY SUPPLIES

J. Beld, 10 & Son, B. Thoms, M. L.
Christ of Oyster Shells to B. Thoms.

PRINCESS PINE

Ground pine, guaranteed quality, delivery
Nov. and Dec. Price \$8.00 per 100 lbs.
Jones the Holly Wreath Man, Milton, Del.

PRINTING

The Rex Company, Harrisburg, Pa.

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PRIVET

John Kulp, Philadelphia, Pa.
California Privet.

California Privet, any quantity, size, age.
Others say ours is the best grown. Write
for prices; also on shrubbery, ornamentals,
fruit trees, asparagus, etc. Franklin Davis
Nursery Co., Baltimore, Md.

Half a million privet. Strong, heavy, well
furnished stock, 18 to 24 in. \$15.00 per 1000;
2 to 3 ft., \$20.00 per 1000; 3 to 4 ft., \$25.00
per 1000. Dwarf and specimen evergreens,
shrubbery and trees in all varieties.

AMERICAN NURSERY CO.

Singer Bldg., New York, N. Y.

RHODODENDRONS

P. Ouwerkerk, Hoboken, N. J.

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Bobblink & Atkins, Rutherford, N. J.

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RHUBARB ROOTS

Mammoth Red rhubarb. Strong 1 yr.
plants for forcing or growing on, \$2.50 per
100, 2 yr., extra large, \$6.00 per 100.

Wm. Eschler Co., North Milwaukee, Wis.

RHUBARB ROOTS, extra large clumps
for forcing, \$20.00 per 100; strong divided
clumps for replanting, \$5.00 per 100. Best
kind for the market; red stalks.
Slus Seed Store, 544 W. 63rd St., Chicago.

RIBBONS AND CHIFFONS

M. Rice & Co., 1220 Race St., Phila., Pa.
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S. S. Pennock-Meehan Co., Philadelphia, Pa.

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Wertheimer Bros., New York, N. Y.

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ROSES

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.

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Robert Craig Co., Philadelphia, Pa.

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W. & T. Smith Co., Geneva, N. Y.

American Crown Roses.

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Bay State Nurseries, North Abington, Mass.

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Wood Bros., Fishkill, N. Y.

Own Root Roses.

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Eastern Nurseries, Jamaica Plain, Mass.

New Roses Originated by J. S. Dawson.

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S. S. Pennock-Meehan Co., Phila., Pa.

New Roses for 1912.

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Corbett & Jones Co., West Chester, Pa.

RUBBER STAMPS, STENCILS

The Rex Company, Harrisburg, Pa.

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SALVIA

Salvia, rooted cuttings. Bonheur, Zurich
\$6.00 per 1000.

THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

SANSEVIERIAS

Sansevierias, 4 in., 200, each, \$2.25 doz.
THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

SEED GROWERS

Braslan Seed Growers Co., San Jose, Cal.

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C. C. Morse & Co., San Francisco, Calif.

Onion, Lettuce, Sweet Pea Seeds.

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J. C. Robinson Seed Co., Waterloo, Neb.

Contract Seed Growers.

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SEEDS

T. J. Grey Co., 32 So. Market St., Boston.
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Joseph Breck & Sons,

51 and 52 N. Market St., Boston, Mass.

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Rickards Bros., 37 E. 19th St., New York.

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Henry F. Michell Co., Philadelphia, Pa.

Stocks for Export.

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W. Atlee Burpee & Co., Philadelphia.

New Sweet Peas for 1912.

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Arthur T. Boddington, New York.

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R. & J. Farquhar & Co., Boston, Mass.

Flower Seeds for the Florist.

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J. M. Thorburn & Co., 33 Barclay St., N. Y.

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Fottler, Fliske, Rawson Co., Boston, Mass.

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Leonard Seed Co., Chicago, Ill.

Peas, Beans, Radish and all Garden Seeds.

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Wm. Elliott & Sons, New York.

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James Vick's Sons, Rochester, N. Y.

All Leading Varieties of Seeds.

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S. S. Skidelsky & Co., Philadelphia, Pa.

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The W. W. Barnard Co., Chicago, Ill.

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J. Boigliano & Son, Baltimore, Md.

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Lochner & Co., New York, N. Y.

Swedish Specialties, Oats, Barley, Wheat.

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SHEET MOSS

The very best quality obtainable. For
early orders we will offer inducing prices.
Jones, The Holly Wreath Man, Milton
Delaware.

SOLANUM

Solanum Aculeatissimum, 6 in. strong
plants, 50c, each \$5.00 doz. Capsicum
(Jerusalem Cherry), 5 in., \$2.00 doz., \$15.00
per 100; 6 in., \$3.00 doz.

THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

SPHAGNUM MOSS

S. S. Pennock-Meehan Co., Phila., Pa.
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The W. W. Barnard Co., Chicago, Ill.
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Joseph B. Townsend, Berlin, N. J.
Moss, Peat, etc.

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H. J. Smith, Hardside, Mass.

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Live Sphagnum moss, orchid peat and
orchid baskets always on hand. Lager &
Hurrell, Summit, N. J.

Ten bales sphagnum moss, \$7.00. Z. K.
Jewett Co., Sparta, Wis.

SPRAYERS

Chas. I. Luger Co., Boston, Mass.

TRADESCANTIA

Tradescantia variegata (Wandering Jew),
2 in., 100, doz., \$3.00 per 1000.

THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

TREE RENOVATION

John T. Withers, Inc., Jersey City, N. J.
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VEGETABLE PLANTS

Fox Hall Farm, Norfolk, Va.
Tomato, Cabbage and Lettuce Plants.

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VENTILATING APPARATUS

Foley Mfg. Co., Chicago.
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The Advance Co., Richmond, Ind.

Improved Ventilator Arm.

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VINCAS

Vincas, 4 in., \$2.00 per doz., \$15.00 per
1000.

THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

Vinca variegata, field-grown, \$6.00 per
100; 4 in. H. Green, Specter, Mass.

Vinca variegata, field grown, strong
plants, \$5.00 per 100; \$15.00 per 1000. Rus-
sell Bros., R. 4, Syracuse, N. Y.

VIOLETS

1000 pieces of Wales Violets, \$5.00 per
100; 4 in. Chas. H. Green, Specter,
Mass.

WIREWORK

Reed & Keller, 122 W. 25th St., N. Y.

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J. Jansky, Boston, Mass.

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Wirework. Write for our catalogue.

Holton & Hunkel Co., Milwaukee, Wis.

William E. Heilscher's Wire Works, 38-40

Broadway, Detroit, Mich.

WOOD PRESERVATIVE

Conservo Wood Preservative doubles the
life of all exposed lumber. Preserves
benches, posts, sills or planking. Costs
3c a stick, and saves ten times its cost.
Samuel Cabot, Inc., Mfg. Chemists, Bos-
ton, Mass.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.

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WHOLESALE FLORISTS**Boston**

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N. F. McCarthy & Co., 84 Hawley St.

Welch Bros., 225 Devonshire St.

H. M. Robinson & Co., 15 Province St.
and 9 Chapman Pl.

Buffalo, N. Y.

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William F. Kasting Co., 383-87 Elliott St.

Chicago

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Peter Reinberg, 51 Wabash Ave.

Poehlmann Bros. Co., Morton Grove, Ill.

J. A. Budlong, 37-39 Randolph St.

Chicago Flower Growers' Association,
178 N. Michigan Ave.

Cincinnati, Ohio

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The J. M. McCullough's Sons Co., 516

Walnut St.

Cromwell, Conn.

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A. N. Pierson, Cromwell, Conn.

Detroit

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Michigan Cut Flower Exchange, 38 and 40
Broadway.

New York

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M. C. Ford, 121 W. 28th St., New York.

H. C. Fremont, 57 W. 28th St., New York.

E. C. Haran, 55 W. 28th St., New York.

A. H. Langlois, 130 W. 28th St., New York.

James M. Manus, 55 W. 28th St., New York.

W. F. Sheridan, 133 W. 28th St., New York.

Wm. H. Kuebler, 28 Willoughby St.,
Brooklyn, N. Y.

McCree, Hentz & Nash, 55 and 57 W. 28th

St., New York.

In writing to Advertisers kindly mention Horticulture

FOR "POT LUCK" TRY US... HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

WRITE FOR CATALOGUE AND DISCOUNT

Pearson Street,
LONG ISLAND CITY, N. Y.

A. H. HEWS & CO., Inc.

Main Office and Factories
CAMBRIDGE, MASS.

WHOLESALE FLORISTS—Continued
New York—Continued
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Greater New York Florists' Association,
162 Livingston St., Brooklyn, N. Y.
A. L. Young & Co., 54 W. 28th St., N. Y.
Charles Millang, 55 and 57 West 26th St.
P. J. Smith, 49 West 28th St., N. Y.
Frank Millang, New York, N. Y.
Traendly & Schenck, New York, N. Y.
Badgley, Riedel & Meyer, Inc., New York
A. Moltz & Co., New York, N. Y.
Siebrecht & Siebrecht, 136 West 28th St.,
New York.

Philadelphia

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Leo. Niessen Co., 1209 Arch St., Phila., Pa.
The S. S. Pennock-Meehan Co., 1008-19
Ludlow St., Philadelphia, Pa.

Rochester, N. Y.

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George B. Hart, 24 Stone St.

New Offers in This Issue.

AMERICAN LAND AND IRRIGATION EXPOSITION.

W. E. Marshall & Co., New York, N. Y.
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ASPARAGUS PLUMOSUS NANUS SEED.

S. S. Skidelsky & Co., Philadelphia, Pa.
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WASHINGTON NOTES.

Hans R. Schwartz, recently with Adolph Kaiser of Annapolis, Md., has entered the employ of J. H. Small & Sons.

Alexander B. Garden of Anacostia is very active in the campaign looking toward the Sunday closing of all stores in Anacostia.

Mr. and Mrs. C. L. Jenkins last week celebrated their silver wedding surrounded by intimate friends and relatives, at their home in Suitland, Prince George County, Md.

Work on the new front which is being erected at the store of Z. D. Blackstone on Fourteenth street is progressing rapidly and upon completion the store will be one of the finest in the city.

The Washington Florists' Company, Thirteenth and F streets, N. W., are showing some very remarkable chrysanthemums and have a fine window display with these as the leaders. The background consists of a rustic arch from which is suspended vari-colored pennants bearing the word "Washington."

Miss Florence McNeice, who was formerly connected with her mother, Mrs. George McNeice, in the florist business at 108th street and Broadway, New York, and who was lately with W. J. Palmer & Son of Buffalo, N. Y., has entered the employ of F. H. Kramer and now smilingly waits upon his customers at the F street store.

O. W. D'Alcorn of Congress Heights, D. C., has called upon the local police to aid in recovering five thousand tulip bulbs which were stolen recently from a barn on the premises of the Washington Bulb Company of which Mr. D'Alcorn is the manager. The bulbs are valued at \$125 and a reward has been offered for their return.

There is another rumor rampant that Secretary of Agriculture Wilson is about to tender his resignation to President Taft, this to be effective on November 15. Former Representative Scott of Kansas, who was chairman of the House committee on agriculture is mentioned as his successor. There has been no formal announcement and, perhaps, there will be none.

The department store of S. Kanns & Sons Co., is handsomely decorated this week with chrysanthemums and American Beauty roses and enormous quantities of greens, ferns and palms, in honor of the firm's eighteenth birthday. In the center of the store is a large summer house completely covered with asparagus and other greens and gorgeous home-grown American Beauty roses. This is further set off by myriads of colored electric lights. In the center is a large vase containing long-stem Beauties. This display is a gift from the employees of the store and was furnished by Gude Bros., who also did the interior decorating. Kann's store is not a small one by any means



DREYER'S

Florist Specialties.
New Brand New Style.
Hose "RIVERTON"
Furnished in lengths up to 300 ft. without seams or joint.
The HOSE for the FLOWERS
1/2-inch, per ft., 15 c.
Reel of 500 ft., " 14 1/2 c.
1/4-inch, " 14 c.
Reels, 1000 ft., " 13 c.
Couplings furnished.
HENRY A. DREYER,
714 Chestnut St.,
PHILADELPHIA, Pa.

1000 READY PACKED CRATES

STANDARD FLOWER POTS AND BULB PANS

can be shipped at an hour's notice. Price per crate:

2000 1 1/2 in. @ \$6.00	500 4 in. @ \$4.50
1500 2 " " 4.88	450 4 1/2 " " 5.24
1500 2 1/2 " " 5.25	320 5 " " 4.81
1500 2 1/2 " " 6.00	210 5 1/2 " " 3.78
1000 3 " " 5.00	144 6 " " 5.16
800 3 1/2 " " 5.80	120 7 " " 4.20
	60 8 " " 3.00

HILLFINGER BROS., Pottery, Fort Edward, N. Y.

August Roiker & Sons, 31 Barclay St., N. Y. City Agents.

OUR SPECIALTY—Long distance and export trade.

Syracuse Red Pots

"A little pot is soon hot," likewise a thin pot. This will save you fuel. Our pots are the thinnest and toughest owing to the superior quality of the clay.
New price list on application.

Syracuse Pottery Co., SYRACUSE, N. Y.

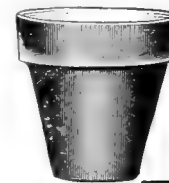
STANDARD FLOWER POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts.,

Washington, D. C.



ALL THE CLAY

FOR OUR
Florist' Red Pots
is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots, order from us.
THE PETERS & REED POTTERY CO.
Zanesville, Ohio

Holds Glass Firmly

See the Point

PERLESS

Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.

HENRY A. DREYER,
714 Chestnut St., Phila., Pa.

FULL SIZE
N° 2



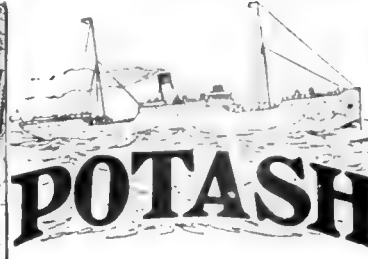
and the amount of cut flowers used runs away into the thousands.

CLARENCE L. LINZ.

Fresno, Cal.—W. T. Kirkman, a local nurseryman, has purchased 120 acres of land near Borden, Fresno county, and it will be utilized as a nursery.

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Direct from the German Mines
But it takes time to get it

See your dealer *now*, before he contracts for his goods, and urge him to get good up-to-date brands, containing 6 to 10 per cent. potash, and to carry POTASH SALTS in stock.

There is profit in such goods both for you and your dealer.

You get more plant food for your money, your fertilizer is

better balanced, your soil fertility is conserved, and your crops are larger and of better quality. **Potash Pays.**

We will sell you or your dealer Potash in any amount from 200 lbs. up. Write now for prices and for free pamphlets giving just the facts you are looking for about improving crops and soils.

GERMAN KALI WORKS, Inc.

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Monadnock Block, Chicago

Whitney Central Bank Building, New Orleans

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GREENHOUSES BUILDING OR CON-TEMPLATED.

Rockford, Ill.—W. H. Burrows, one house.

Marion, Ind.—Joseph Shane, two houses.

San Diego, Cal.—Lanier Bros., house 45 x 200.

Farmington, Utah—Miller Floral Co., additions.

Schenectady, N. Y.—Wm. E. John, house 24 x 60.

Iola, Kas.—Mr. Ecklen, Drake estate, one house.

Freeport, Ill.—The Freeport Floral Co., one violet house.

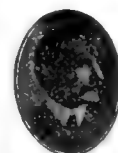
Danvers, Ill.—Leo. Wellenreiter, two houses, each 26 x 65.

Framingham, Mass.—S. J. Goddard, Main street, addition.

Ayer, Mass.—George E. Felch, Grove street, house 16 x 50.

Nevada, Mo.—F. R. Roe, Volcano greenhouses, addition.

Landscape Gardening



A course for Home-makers and Gardeners taught by Prof. Craig and Prof. Batchelor, of Cornell University.

Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250 page catalogue free. Write to-day

The Home Correspondence School

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A publication on the farm journal that reviews all poultry and fruit papers in United States, will be sent on trial one year to all who send 16 cents, to pay wrapping and postage, and names of three fruit or poultry raisers.

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HARRISBURG, PA.

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FLORIST and LANDSCAPE GARDENER

wishes position on commercial or private place. 16 years of experience in Sweden and Germany. Able to take charge. For particulars address F. E., care of HORTICULTURE.

SITUATION WANTED in Massachusetts by an all around florist of over 25 years experience. Rose growing a specialty. Capable to take full charge. Now in charge of large rose growing establishment. Reasonable wages and permanent position desired. Married; no children. Address N. H., care HORTICULTURE.

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FOR SALE—Fresh from factory, new 10 x 12, 16 x 18, 16 x 24, double thick, A and B qualities. Market dropped. Now is the time to buy and save money. Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.

GREENHOUSE PLANT—Two new houses, one 28 x 190, one 31 x 180, good dwelling, acre land, 12 miles from Boston. Attractive neighborhood, close to R. R. station. Frequent trains, and electric to Boston every 15 minutes. Ill health cause of selling. Joseph Farrell, North Woburn, Mass.

MISCELLANEOUS

LANDSCAPE GARDENERS

Will find it to their interests to read PARK and CEMETERY and LANDSCAPE GARDENING, regularly. Some keepers consider it the best. Landscape gardening. Send 25 cents for a copy and special offer to new subscribers. R. J. HAIGHT, 110 So. Dearborn St., Chicago.

THE NEW MINERAL FERTILIZER

Will produce

MORE

and

**LARGER
FLOWERS**

and of better
color than any
plant food ever
put on the mar-
ket.

Contains all of the
original elements
of virgin soil



The above cut shows hollyhocks, nine feet six inches high, with more blossoms and of better color than ever produced by any other fertilizer.

Write for catalogue and testimonials.

THE NEW MINERAL FERTILIZER CO.

Will

DESTROY

all

**INSECT
LIFE**

that preys on
plants under
glass.

It is a plant food
and not a stimulant

19 EXCHANGE PLACE,
BOSTON, MASS.

Aphine

*The Insecticide that
kills plant Lice
of every species*

Just the remedy for the black aphids on chrysanthemums—red spider and thrips on carnations—green fly on roses—mealy bug on gardenias and crotons—scale on ferns, palms and other decorative stock.

\$2.50 per gallon, \$1.00 per quart.

FUNGINE

Fungine has no equal for carnation rust, rust on chrysanthemums and mildew on roses.

\$2.00 per gallon, 75c. per quart.

There is but one convincing way for you to become familiar with the merits of Aphine and Fungine, and that is—test them out yourself—it will prove worth your while.

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You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

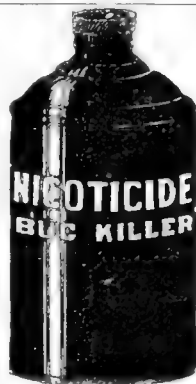
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dusts for
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USE IT NOW.
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Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

**Pulverized
Sheep Manure**

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company
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Is being sought after by all growers. Cover your lawns this fall and next summer you can have a green one.

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Clean and odorless. Forms invisible films. Non-corrosive. Usual effective strength, one to thirty-two.

Single gallons, \$1.50
In barrels, \$1.00

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BOSTON

Wilson Plant Oil & Fertilizer Company

150 Nassau Street, NEW YORK CITY
Horticultural Supplies


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Rubber Stamps, Stencils

Seals, Steel Stamps, Hotel Baggage and Key Checks, Badges, Burning Brands, Pew Numbers, Numbering Machines, Check Protectors, Stencil Combinations, Steel Alphabets and Figures, Indelible Inks, Stencil Colors and Brushes, Door Plates, Rubber Type. Illustrated Catalogue of nearly 100 pages sent with first order or upon receipt of 5 two-cent stamps. Agents wanted.

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Half the Coal and Half the Work.

"Your No. 13 boiler is carrying 25,000 sq. ft. of glass and I can keep it at 90 degrees in the coldest weather without any trouble. I have three other types of boilers also heating a range of 25,000 sq. ft. of glass, but the No. 13 Kroeschell Boiler **ONLY TAKES HALF THE COAL** and half the work to get the same results."

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P. S.—Mr. J. G. Frisz, of Vincennes, Ind., has the largest range of glass in Indiana devoted to vegetable forcing.

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LOUISIANA RED CYPRESS GREENHOUSE MATERIAL

STEEL GUTTERS, TRUSSES,
PURLINS, PIPE, FITTINGS, GLASS,
Etc.

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WORK A SPECIALTY.

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PECKY CYPRESS BENCH LUMBER GREENHOUSES ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

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NEPONSET, BOSTON, MASS.

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Cheap as Dirt

Have you had any prices on greenhouse glass, lately?

Write us at once for our quotations. We'll surprise you.

Take advantage of the drop and book orders for future deliveries.

Our glass all new and fresh from factory.

Hot-bed sash and greenhouse material, dropped too.

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GREENHOUSE CONSTRUCTION LUMBER

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THEY ARE TRULY ECONOMICAL, BEING STRONG,
LASTING AND EASY TO MAINTAIN THEY ARE
SCIENTIFICALLY DESIGNED TO STAND ALL THE
STRAINS IN A GREENHOUSE.

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COMMERCIAL GREENHOUSES
EACH RECEIVE SPECIAL TREATMENT

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FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

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OUR PRICES WILL PROVE THIS.

CHICAGO, ILL.



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Is made to suit any condition. If you have a greenhouse which requires special ventilation or one which you do not know how to ventilate properly, send us sketch or blue prints, and we will give you our advice and figures.

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Catalog and Prices

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261 to 287 A ST. BOSTON 20 to 22 Canal St.

Greenhouse Material and Sash

Of Every Description

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it in HORTICULTURE."



A REASON WHY HOUSE

The reason why that work room is so large and business like looking, in proportion to the size of the greenhouse is because the owner intends adding a large connected house alongside this one. It will be 300 or so feet long. It is a house planned with a reason — just as all houses should be planned. That's our way of doing it. Planning it with an eye for what the future may develop. Plan right—house right—heating right—and right price combined with pleasant dealing, makes a combination you can't beat—or equal. Write us.

Hitchings & Company Spring & Louisa Streets
ELIZABETH, N. J.

LILIUM HARRISII

(The Bermuda Easter Lily)

LET US supply your wants in Lilies this season

We think we can make it to your advantage to do so, as regards both quality and price.

The stock that we offer is not gathered indiscriminately from all kinds of sources, but is grown for us by a few selected growers, whose stocks have been worked up from the true, original stock. In order to ensure the health of the product, the bulbs are not grown on the same field oftener than one season, other crops being grown on the field the preceding year. The ground is thoroughly manured when the previous crop is grown, leaving it in a high state of cultivation, and when the lily bulbs are planted no fresh manure is used, and this prevents disease and ensures a crop of strong, healthy bulbs.

In addition to this, we do not dig our bulbs as early as they are usually dug, but leave them in the ground until they are thoroughly ripened and matured. When Harrisii is good, it leaves little to be desired. There is very little, if any, stock obtainable as good as the stock that we are offering. We are supplying only this one grade of selected stock, and when this is disposed of, we shall have no more to offer.

While the quality of the stock that we offer is of the highest, our prices are as low as, or lower than, the prices of those who offer the ordinary stock gathered from indiscriminate sources. We are sure buyers will find our stock very satisfactory, and much more so than the Japan-grown Longiflorum, which has badly deteriorated in recent years.

Bear in mind that we were the original introducers of Harrisii in Bermuda, and that we have exceptional facilities for obtaining our present supplies. Also take note that the smallest bulbs that we offer are 6-7 inch bulbs, not 5-7 inch, as usually offered.

6-7 inch bulbs, 335 to the case, \$15.00 per case; full thousand lots, \$40.00 per 1,000.

7-9 inch bulbs, 200 to the case, \$16.00 per case; full thousand lots, \$75.00 per 1,000.

9-11 inch bulbs, 100 to the case, \$18.00 per case; full thousand lots, \$175.00 per 1,000.

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We have an exceptionally nice lot of ferns in the following varieties,—good, bushy, well-grown plants that will please the most critical buyers. Plants have been grown in pots, and are thoroughly well established and nicely finished.

Nephrolepis Bostoniensis and Pierstoni, 6-in. pots.....\$0.50 each

Nephrolepis Elegantissima, Pierstoni, Bostoniensis, and Harrisii, heavy 8-in. plants.....\$1.00 to 1.50 each

Nephrolepis Elegantissima, Bostoniensis, and Harrisii, heavy 10-in. plants.....2.50 each

F. R. PIERSON COMPANY, Tarrytown-on-Hudson,
NEW YORK

HORTICULTURE

Vol. XIV.

NOVEMBER 4, 1911

No. 19



PRIMULA POLYANTHA
THE FLORIST'S CHOICE



DEVOTED TO THE
FLORIST, PLANTSMAN, LANDSCAPE GARDENER AND KINDRED INTERESTS

PUBLISHED EVERY SATURDAY AT 11 HAMILTON PLACE, BOSTON, MASS.

SUBSCRIPTION, \$1.00 PER YEAR



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R. W. MacNIFF, President and Auctioneer

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The new Sargent rose, originated by Jackson Dawson, now offered for the first time for fall 1912 delivery

This seedling combines the good qualities of R. Wichuraiana, R. Crimson Rambler and R. Baroness Rothschild which have been used in its evolution. The flowers are single, about three inches across, pale rose in color and produced in greatest profusion in pyramidal clusters all along the strong branches, blooming from the middle of May till end of June. The foliage is a beautiful glossy green and remains in good condition till late fall.

As this stock is limited book your orders early. \$1.50 each

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Prices Quoted in these columns are for Dealers Only. When writing to Advertisers please mention HORTICULTURE

Seasonable Notes on Culture of Florists' Stock

CAMELIAS

To have these plants in good flower and shape by Christmas they should be moved into a house that stands from 48 to 50 degrees at night. Camellias cannot be hurried along by giving them heat, as they will not endure forcing without a heavy loss of buds. Admit with care daily sufficient quantities of fresh air to keep the temperature from running up too high; 60 or 65 is plenty, high enough with sunshine. Give them a spraying on all good days until the flowers begin to show color. Watering is a point in their culture which requires very careful attention, as neglect in this matter will result in failure. So go over them and see that the roots are in an even moist condition. Neglect in this matter even for a short time either by letting them become dry or have the soil in a soaking condition will bring down the buds and destroy all hopes of flowers. When they are in flower they will keep in a better shape if given a temperature of about 45 degrees at night with a liberal watering when they need it. When well grown these old favorites have but few equals among the ornamental greenhouse shrubs and they are rapidly regaining favor with the trade as small decorative pot plants.

CARNATIONS

The plants should now be well advanced in growth, but no matter how well a house may appear, there are usually a few plants that will be in a weak state. It is a good plan to dust a little air-slacked lime around where they are found; this will be a good guide when you are watering and at the same time will benefit the plant. Watch these weaker plants very carefully now as they require much less water than their more vigorous neighbors; by so doing you will gradually convert them into good stock. Varieties that have been yielding a continuous cut should have no excessive forcing to increase returns. Carnations do not show exposure to sudden changes in the temperature as much as roses, but they are affected by it just the same. Ventilation will need a great deal of attention now, and with the variable weather we are bound to have it is better to raise and lower the ventilators gradually. This may necessitate more trips around your houses, but it will encourage increased vigor in your plants. Don't overlook giving proper supports as sunlight is getting less each day now, and each growth should be kept in an upright position. If your plants are covered with buds and in good health, with small fibrous roots coming to the surface of the soil, a light mulch will do them good. Disbud regularly to one bud.

GARDENIAS

Gardenias that were set out in the benches early in the summer and given good care from the start should now be a thrifty lot of plants. To handle these plants is no easy task. They require continued watchfulness in ventilation, atmospheric moisture, watering, temperature and cleanliness. Now that we will have sharp, cold winds, cool and frosty nights, alternated with sun-warmed days, causing extremes in outside conditions, great care in ventilation will be needed to equalize as far as possible the temperature inside, which during sunshine can run up to 75 degrees, and at night stay at or about 68 degrees. Keep them sprayed on all good days and damp down the house two or three times a day for they like a superabundance of moisture in the air all the time. If they are allowed to suffer for the want

of atmospheric humidity they will quickly drop their buds, but, on the other hand, never let it approach a point suggestive of a mild stagnancy. Examine your benches from time to time to ascertain the condition of the soil. While they should not become dry at the root, never let them get in an over-saturated state, but endeavor to keep the soil sweet and all will be well. Keep your plants clear of greenfly and mealy bug by frequent fumigation and careful syringing.

PANDANUS VEITCHII

Now that we can rely on more steady fire heat it is a good time to propagate a batch of these plants which by next winter, if grown right along, will easily reach a 5 or 6-inch pot. Plants that are throwing a number of side shoots can be relieved of these suckers. When they have gained some substance and size, they should be rubbed off close to the parent plant and placed in warm cutting bench. With proper moisture and some shade they will be ready to pot off in nine or ten weeks. Give them a house where the temperature is from 65 to 70 degrees at night with all the light possible and good amount of moisture and they will make rapid growth. Give all your pandanus a bench where they will have full sun where they will assume that intense coloring which is a decided feature in all well grown Pandanus Veitchii.

ODONTOGLOSSUMS

This is the best time for repotting or top-dressing these orchids, now that the warm weather is past, and the best general compost to use is a mixture of the softest part of fern fibre and sphagnum moss chopped up and well mixed together. A large number of odontoglossums will do well under pot culture, but those that have pendulous flower scapes or creeping rhizomes should be grown in baskets. From now on and during the winter the temperature should range from 48 to 50 degrees at night with the exception of *O. citrosimum* which should have from 5 to 10 degrees warmer. The day temperature for these orchids with sun should never rise much above 65 degrees as they grow better with this weak solar heat. Ventilation should be given at all times when possible, in greater or less quantity according to the outside conditions so as to keep the atmosphere from becoming stagnant. Care must be taken never to let the compost remain for any length of time in a dry state. Now that we have the cool weather which is suitable to their growth give them every attention. Keep your houses clear of slugs and snails as these are among their worst enemies.

POT ROSES

Roses that were grown during the summer either in the field or in pots will from now on require less water at the roots so as to ripen up the wood and give them a rest before they are started on their gradual stage of forcing, which should not begin before January. Lay the rose pots in the bushes when there are heavy rains of too long duration. Leave them outside until they have had a few good frosts which are very beneficial for hybrid perpetuals, tea roses, and ramblers. When the winter weather sets in they should be sheltered so that the freezing and thawing will be so gradual that no harm will be done. A deep frame that can be covered is the best thing for this purpose.

John J. M. Farrell

Mr. J. J. M. Farrell will be on the telephone at 4-1000, Monday, Wednesday, Friday, Saturday, and Sunday, 10-11 a.m.; Marguerite's Paper will be on the telephone at 4-1000 for Christmas.

NOV 4 1911

New Plants from China



MICROMELLES FOURNIERI

A new hardy tree, allied to Sorbus, with corymbs of white flowers, followed by orange-red fruit. Leaf ovate-lanceolate, silvery-white on under side. Photograph of 9 year-old tree, 15 ft. high.



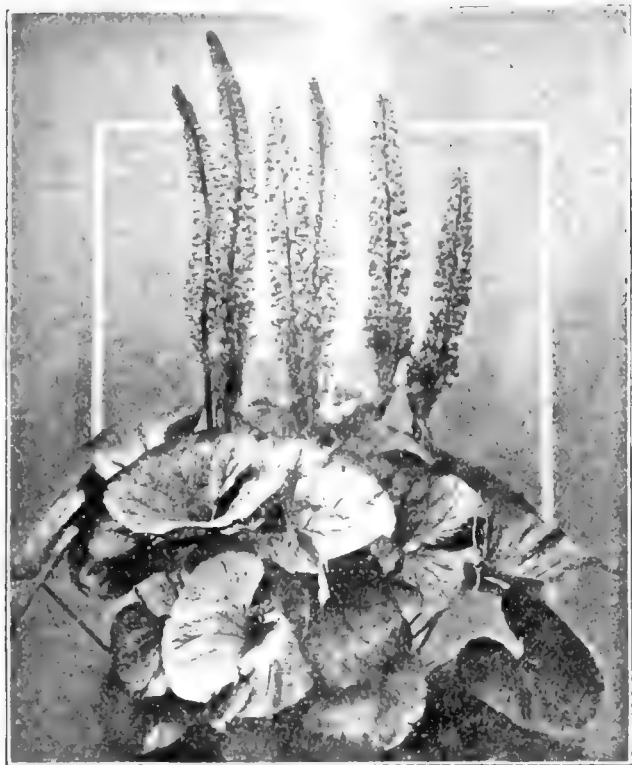
SOLANUM

A new Chinese species, having bright ivory-pink flowers. Messrs. Vitor's Company.



VITOPSIS MEGALOPHYLLA

An extraordinary vine, with decompose leaves like Aralia spinosa, 2½-3½ ft. across. Grows 10-15 ft. in a season and is perfectly hardy.



SENICIO WILSONIANUS

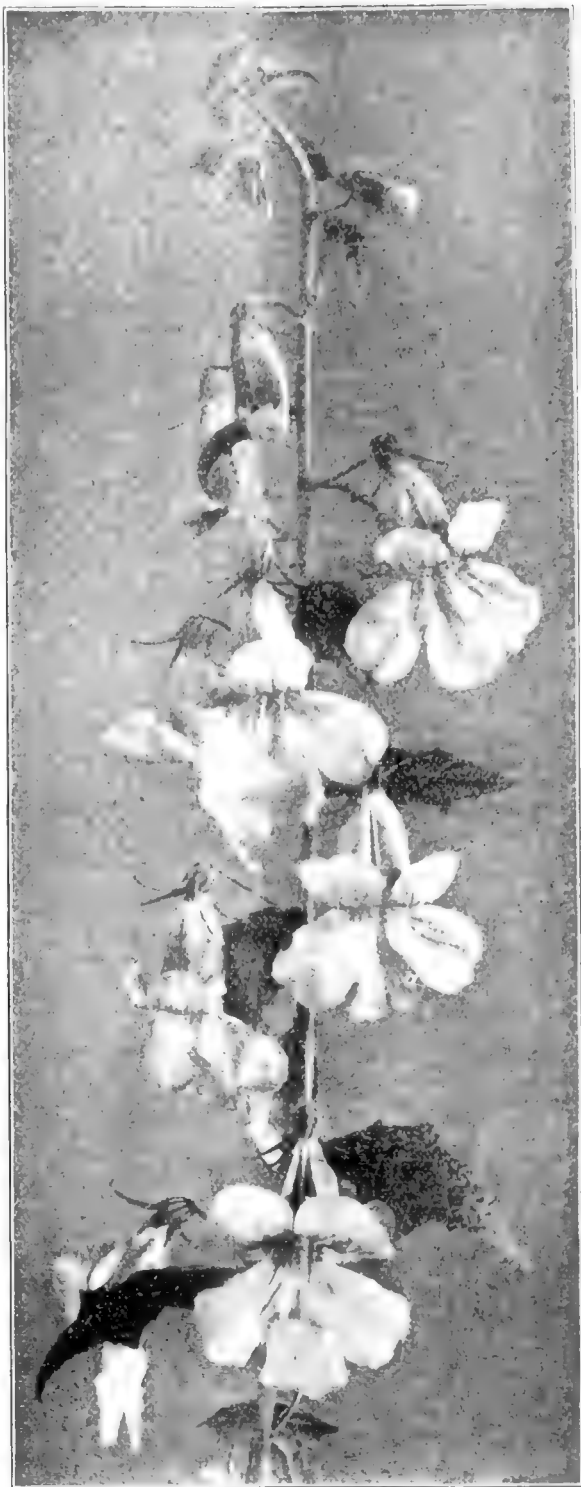
Flower bright yellow on spikes 4-5 ft. tall. A grand subject for planting in pots, terrums and ponds.



BUDDLEIA VARIA

MAGNIFICA—FLOWERS

A truly magnificent plant flowering in late August and September. The terminal inflorescences are 2-2½ ft. long densely studded with light violet-purple flowers. See Horticulture—Oct. 7, p. 191.



R. JESSIE ANGULARIA

A grand specimen of the pink flowers, growing 6 ft. tall. The flowers are small, but of a low, dense, upright inflorescence, and are very attractive.

With the above, the garden is a most beautiful one, and the plants will be a great help in supplementing the garden.

The garden is a most beautiful one, and the plants will be a great help in supplementing the garden.

HORTICULTURE

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NOVEMBER 4, 1911

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The revival of horticulture in our country is a thing of the world and needs the words of encouragement and enthusiasm with which the leaders of the expected horticultural revival seek to talk and stir in their fellows. Innumerable agencies are at work to turn the hearts of the people countryward and it would be to the everlasting humiliation of the horticultural profession should it lag behind.

But we have faith that the seed now being sown will bear good fruit and look to see, as a result of the educational uplift now inaugurated, the coming to the front of men who will become illustrious as leaders and attain to exalted station in the annals of American horticulture.

The florist
an authority?

A correspondent in this issue reiterates the oft-repeated criticism of the lack of knowledge on the part of the average flower store salesman as regards the names of the flowers he sells. It is true that there are exceptions but in a majority of instances we think it will be found that our correspondent's statement is borne out. This is all the more regrettable because of the growing disposition of the public and of the newspapers to look to the florist for correct information on plant and flower matters. It was encouraging to note, a few days ago, where a prominent daily, having received an absurd sensational statement concerning a certain flower, published it with the comment that "the florists were inclined to brand the thing as a fake." It should be a matter of pride to the florist that the public should look up to him as an authority on floricultural matters instead of swallowing without question all kinds of nonsensical stuff as they have been all too ready to do in the past, and he should strive in every possible manner to make himself worthy of this very desirable and proper confidence.

Marketing
flowers

The Rural New Yorker has been carrying on a vigorous denunciation of the middlemen and the system of marketing farm and garden product through this means. It may be very desirable that the producer and consumer of these goods should be brought more directly together and the Rural New Yorker may be justified in its contention that there are grievous wrongs in the prevailing system and that the cost of getting the farmer's wares to the public is out of all reasonable proportion to the price the farmer gets. On this question we are not well informed and so have nothing to say. But when our bustling contemporary extends its attack so as to include the commission men in the cut flower business, as it has in its latest issue, we are impelled to question its knowledge of that subject. Certainly some of the statements regarding the situation in the New York wholesale flower trade seem to be based on a misconception if not on absolute misinformation. The incentive to the establishment of cooperative selling of flowers, as we recall it, was not so much to put a stop to "the absorption of profits by greedy non-producers" (as the Rural New Yorker asserts) as it was to secure a slice of the reputed enormous profits of the retailers through the establishment of higher and more stable wholesale values. Whether this end was attained does not matter for now. It is an evident truth that "crop production without profitable marketing is labor thrown away," and that the legitimate function of the middleman is to serve producer and consumer as a medium through which maximum benefit can come to both. Whether this has or has not been fully accomplished in the New York flower business may also be a debatable question, but that a better method of marketing flowers in a community like New York, other than through an honest, capable and industrious commission dealer has yet been devised, we think will involve some difficulty in proving, while the direct implication of dishonesty on the part of the flower commission men as a class is nothing less than an outrage. Theory and conditions in business don't always fit together.

Fruit and Vegetables under Glass

POT FRUIT TREES

Pot fruit trees of all kinds should now be thoroughly overhauled, pruned, re-potted and prepared for winter quarters. Where a quantity of trees have to be dealt with it is best to erect a temporary potting bench in some convenient spot outside. The less the trees are shifted around the better, especially so with peaches and nectarines. Carrying them in and from the potting shed, through doors, etc., is always to be avoided if possible; then again head room is often limited. All this can be alleviated by the erection of a temporary bench if sufficient trees are ordered to justify this little extra time being spent. A number of clean pots must be got together and properly examined, as is an essential point; later on in the growing season a water-logged pot is deplorable. The soil should consist of half-decayed loam, with plenty of lime rubble or plaster broken up small, mixed into it. Potting will be light if the trees were properly disbudded, but it will be wise to look them over, removing any wood which is too crowded and also any that may have died back. Trees which have had rims added to the pot to allow of top dressing, will need to have these removed, and the only disadvantage to them will be discovered; viz., a quantity of surface roots will have found their way up and when it comes to repotting they are found to be too high. After throwing off the pot remove the old crocks and as much of the bottom soil as possible; shake off all the top dressing, carefully preserving all the fibrous roots and remove all the top soil you can. Trees that have made a quantity of roots will have to be given a shift, but do not give it unless absolutely necessary. If a sufficient quantity of the old soil can be removed from the ball to allow of its going back into the same size pot, put it back again. If a shift is necessary make it as small as you can for there is no advantage in rushing the trees on into very large pots or tubs. Proportionately no more fruit is obtained and they are more easily handled in a smaller pot. Trees have been known to grow in the same sized pots for years and carry a good crop right along. When potting, the soil must be worked down thoroughly and examined firm between the ball and pot. This is sometimes a difficult job with only a small space to fill, but unless no holes must be left, in anticipation of the best results. Sufficient room must be left to allow of watering. Immediately after potting they should receive a good soaking and also be syringed over if the sun is not to be contemplated to have them outside in summer, the pots should be plunged in leaves and straw or covered with straw manure to protect them from being scorched by frost. If a cold house is available they can be transferred to it right away and remain there until starting. Do not allow them to become dry, and the buds are liable to fall.

MELONS FOR CHRISTMAS

Melons for Christmas swelling must be kept going with a little food. Keep the beds well moist, but avoid a continual sodden condition. This treatment will suit them until the first signs of ripening, when a little drier atmosphere and soil will be beneficial. With sunless days and a cold attack some stems cut away the seed leaves, and the first whorl of leaves as a preventive, but should the dread disease make an appearance, expose the plant to all the sun and light possible and rub the leaves slack lime. Dull warm days seem to invite canker more than anything. In

the cold weather a quantity of fire heat will do more of it.

PEACHES IN POTS

Tomatoes in pots can be made quite a success story. I would not advise to work when the plants can be grown on a bench with less trouble and equally good results, but in some cases, when a better cannot be expected, the pot can be worked with success. One advantage is that if the plants can be potted up the main crop to occupy a small space for a time, then a second crop can be started and the first crop is cleared off they can be started on a new head and receive no check. Younger plants can be planted on the benches but nothing larger than an out-crop inch should be used. Varying sizes in pots are used for tomatoes. I have seen four nice trusses taken off a six-inch pot. A twelve-inch is the most suitable size. When potting in the final leave ample room for top dressing after two or three trusses of fruit have set. Plants growing in the benches and now having three or four trusses of fruit partly developed will be benefited with a top dressing of fairly rich soil.

CUCUMBERS

Cucumbers now topping will need feeding. If surface roots are visible, add a top dressing containing some manure. Keep the young growths stopped at every third or fourth joint and where two or more fruits show at a joint reduce them to one. As the foliage becomes old and worn out cut it away and tie in young growths. Syringe whenever possible to keep off red spider which this plant is very susceptible to. Fumigate on the very first appearance of green fly.

George H. Benson.

Primula pulverulenta

(See page 601 illustration.)

In fact the foregoing new *Primula* resembles the well-known *P. japonica* but has flower-scapes 3 ft. or more tall, and bearing 20 to 40 whorls of flowers. The individual flowers are a third larger than those of *P. japonica*, the color is a deeper color (darker) around the eye and often the eye is on a single whorl. The scapes are clothed with tomentum (hence the specific name *pulverulenta*) and this peculiarity together with its large whorls of flowers and tall scapes, that gives it the advantage over the old *japonica*. *P. japonica* has been the same old standard for years. *P. pulverulenta* is a new and more substantial variety, and it is a pity that the potential of *japonica* growing in the flower beds is not being utilized.

What is the difference between *P. japonica* and *P. pulverulenta*? The difference is that *P. pulverulenta* has a more robust growth habit and a more pronounced flower color than *P. japonica*. It is a more substantial variety and is a pity that the potential of *japonica* growing in the flower beds is not being utilized.

For more information on this new variety, contact the author or the publisher, Mr. J. H. Wilson, at the address given below.

J. H. Wilson.

NEW CHINESE PLANTS

An Address Before the Horticultural Club of Boston, by E. H. Wilson, November 1, 1911.

Twelve years ago April 11th, last, I left England on my first trip to China in quest of new plants. Three other journeys have followed this first one. Fortune has invariably been kind. True, there have been set-backs, disappointments, accidents and minor annoyances, but on the whole, good fortune has kept with me. The Botanical, Horticultural and lay press have thought fit to publish much that is of most complimentary character. That grand old periodical, the Botanical Magazine, has, to date, figured no fewer than fifty-eight of my introductions. The Horticultural press, the Gardeners' Chronicle in particular, have figured many more than this number.

Corydalis thalictrifolia was the first of many new plants to be exhibited before the Royal Horticultural Society of London, on June 10th, 1902, and it received their highest award—a first class certificate of merit. Since that date this same Society has given some sixty-three awards of merit and certificates and six gold medals. These awards are adjudged by competent and impartial critics and hallmark the plants they are given to. On this side, as far as my knowledge goes, one award only—a silver medal to *Lilium Sargentiae* last summer—has been given to these plants.

I give prominence to these facts, not in any spirit of braggadocio or conceit, but simply in order to lay stress upon the value the plants are conceived to possess, across the water. In response to a request from our President, Mr. John K. M. L. Farquhar, I am about to speak of these new introductions of mine and in so doing I will exhibit as much broad-minded impartiality as possible. In all earnestness, frankness and sincerity, these remarks are conceived and I speak of things that are, as they are, drawing no fanciful pictures and spinning no "old traveler's yarn."

My two first journeys were promoted by the nursery firm of James Veitch & Sons, London, England—a firm well known to you all and to every nurseryman, amateur and professional gardener in the world. Of the twenty-three travelers and collectors dispatched by this firm to various parts of the world, I was the last but one. Whilst the collecting work conducted and financed by this firm was promoted in the instincts of true business, yet, and it cannot be gainsaid, this firm has done more in the interests of true horticulture than any other firm or institution extant. With characteristic liberality living plants and herbarium specimens have always been freely distributed among the botanical institutions of Europe and this country. Nevertheless, my journeys for Messrs. Veitch, like those of their other travelers, were business ventures and were I still connected with this firm I should feel precluded, for obvious reasons, from giving publicity to this address.

My two last journeys were promoted by Prof. Charles S. Sargent, Director of the Arnold Arboretum, solely in the interests of scientific horticulture; they had no connection with business in any shape or form. Prof. Sargent

had distributed the results of these expeditions with an open hand, where-soever and to whomsoever he felt would take real interest in the matter. It is getting time now to take stock, investigate and call the score.

I mention these facts in detail in order to emphasize that whether you or others take up, develop and utilize the material I have been privileged to introduce I shall not benefit, pecuniarily, a single cent. Beyond a real love for the plants themselves and a genuine desire to see them as widely cultivated and appreciated as they deserve to be, I have no interest whatsoever.

I admit my opportunities have been exceedingly limited, but in no single instance, in this country, have I seen full justice done to these newcomers from China. Give a few of them the



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attention you lavish on your roses, carnations, lilacs, peonies, etc., and judge by results. Some will doubtless say: "It is all very well to talk of plants which thrive in England, but here we have a very different climate to contend with. Our winters are more severe, our summers hotter, the drought greater, etc." Admitted, but don't take a narrow view of things. Look at the range of climate you have in this vast continent. From northern Maine to southern Florida; from Boston to San Francisco, surely somewhere there are congenial spots for all.

As far as New England is concerned the question of these newcomers being able to withstand the severe winters, is of course, of paramount importance. Experiments alone can prove this, but I would point out the well-known fact of deciduous trees and shrubs from Japan and North China succeeding better here, around Boston, than in England. Give these newcomers from Western China a fair chance and they will win through, creditably enough. There are plenty of them to pick and choose from and if

only 50 first-class plants win through, is the trial not worth attempting? Now, suppose that out of the whole mass there are only a dozen equalling *Berberis Thunbergii* and *Clematis paniculata*, will the trial prove nothing but a costly failure? Suppose we add only two good evergreens, has nothing been accomplished? Reduce the possibilities and probabilities to bed-rock proportions and it is obvious that the game is worth the candle!

Some may advance that stock argument:—"that we lack here an appreciative public." Gentlemen, I submit, this is a poor argument for business men to voice. Make your goods talk, as they have to in every line of business, bring your goods before the public and, if they are worthy, the public will respond. The Arnold Arboretum gave you *Berberis Thunbergii*; it gave you *Azalea Kaempferi* and heaps of other notable plants; take up some more of its introductions, put your best work into them and let the proof of the pudding be in the eating.

Acting on a suggestion I published, in HORTICULTURE, through the courtesy of the editor, our esteemed fellow member, Wm. J. Stewart, a series of thirteen short articles, entitled Plant Novelties from China, commencing Jan. 1st, 1910. I have recently questioned the editor concerning these articles with the result that, while they have elicited some favorable comment, yet neither he nor I feel that they have attracted anything like the attention the subject deserves. Tonight I perforce, try again.

Under ten different headings I propose to discuss very briefly, just sixty plants. I have here to show you illustrations and photographs of the majority, and, save the herbs, through the courtesy of Prof. Sargent, dried specimens of the actual plants themselves.

Six Herbaceous Plants.

Astilbe grandis (5 to 6 ft. tall, flowers pure white), *Senecio clivorum* (4 to 6 ft. tall, rich golden-yellow flowers), *Primula pulverulenta* (flowers rich crimson on scapes 3 to 4 ft. high), *Artemisia lactiflora* (3 to 4 ft. tall, flowers milk white), *Aconitum Wilsonii* (6 to 7 ft. tall, flowers deep blue, opening in September), *Paeonia Veitchii* (2½ to 4 ft., flowers deep red). Here are my six herbaceous plants, every one of them perfectly hardy here in Boston, strong growing, free-flowering and vigorous in habit.

The first three are happiest when in close proximity to water—a stream or pond side free of rank weeds is the ideal situation. The Aconite and Wormwood require nothing more than the average herbaceous border affords but they should not be allowed to suffer from drought. The Paeony requires only to be grown in the ordinary way of herbaceous paeonies.

Good, strong loam, leaf soil and cow dung in the usual proportions will suit them all. Being good species (like all the plants I shall enumerate) they come true from seed and are also readily propagated by division. Grown singly as specimens, in small clumps or in masses they are fascinatingly effective.

Six Hardy Climbers.

There is an admitted scarcity of good, hardy, ornamental climbers—plants needed in every park and garden. Here are six: *Clematis montana rubens* (6 to 15 ft. tall, flowers rosy red, late May), *Clematis montana Wilsonii* (8 to 20 ft. tall, flowers white, July), *Clematis nutans* (10 to 15 ft. flowers, pale-yellow, September), *Lonicera tragophylla* (10 to 15 ft. tall, flowers golden-yellow, June), *Vitis Davidii* var. *Veitchii* (10 to 20 ft. tall, stems spiny, leaves highly colored in autumn), *Vitis flexuosa* var. *parvifolia* (4 to 10 ft. tall, leaves small with shining metallic lustre). For any and every purpose that woody-climbing plants are needed these six are confidently recommended. The four flowering climbers each blossom in different seasons and collectively, span the whole summer and autumn season. The honeysuckle is best in partial shade, being a woodland plant, and does not like the knife. One and all are of simple culture, easily propagated from seeds or cuttings, in the usual way.

Six Flowering Shrubs.

In recent years there has been an enormously increasing interest taken in outdoor horticulture generally and flowering shrubs have, at last, entered into their own. With a better appreciation of their needs in the matter of pruning and planting for effect, they would give even better results than is commonly seen—good as these usually are. Of spring-flowering shrubs we are, fortunately, well supplied, but shrubs flowering in August and September are decidedly scarce. Early-flowering or late-flowering there is always room at the top. Five of the following cover the season from early June to September, the sixth, *Cotoneaster Dielsiana*, is at the moment of writing, Oct. 31st, a mass of bright crimson scarlet fruits, with its neat foliage assuming various shades of orange: *Deutzia Wilsonii* (3 to 6 ft. tall, flowers pure white, early June), *Spiraea Henryii* (3 to 5 ft. tall, flowers pure white, early July), *Buddleia variabilis magnifica* (5 to 10 ft. tall, flowers rich violet-purple, September), *Rosa Moyesii* (6 to 10 ft. tall, flowers dark blood-red, shaded velvety maroon, July), *Dipelta ventricosa* (4 to 10 ft. tall, flowers rosy-pink with orange throat, June), *Cotoneaster Dielsiana* (6 to 8 ft. tall, fruits bright crimson-scarlet retained well into the winter).

The rose has the darkest and richest colored flowers of any wild species and is well worth the attention of hybridists. The *Dipelta* is a new genus, allied to *Diervilla*. Like the above mentioned climbers, these shrubs require no special soil or situation, are quite hardy, root easily from cuttings and, save the *Buddleia*, come true from seed.

Six Evergreens.

If there is one class of plants more badly needed here in New England than another, it is, unquestionably, broad-leaved evergreens. In nothing is the poverty of the native flora or gardens more marked. Now broad-leaved evergreens are a feature of rain forest floras of temperate climates and, in a general way, are always associated with woodland and forest vegetation. Drought, whether it be caused by frozen soil around the roots

or by lack of water in the soil, is deadly to them. It is not so much low temperature as the hot sun in March and April when the ground is frozen and the hot, dry summers that render the cultivation of these evergreens so difficult here in New England. By judicious care in planting, with especial reference to the matter, site and moisture, much can be done to minimize these evils. Granted the exercise of these important details the following six are calculated to withstand the worst this New England climate has in store: *Berberis Wallichiana* (true Chinese type, not the plant generally grown under this name), *Ilex Pernyi* (5 to 18 ft. high, densely crowded with small spiny leaves), *Viburnum rhytidophyllum* (5 to 8 ft. tall, flowers white, fruits black, leaves 6 inches long, wrinkled above, densely filled beneath), *Lonicera nitida*, (3 to 5 ft. tall, flowers small, creamy white, fragrant, fruits blue-purple, leaves small, shining green), *Sarcococca ruscifolia* (3 to 5 ft. tall, flowers inconspicuous, fruits dark red, foliage small, shining green), *Stranvaesia undulata* (5 to 10 ft. tall, flowers white in flat corymbs 4 to 5 inches across, fruits scarlet, leaves assuming fine crimson tints in late autumn and winter and retained until the new foliage develops the following spring).

These six are, for evergreens, fairly easily propagated by cutting and readily raised from seed. The Barberry is a particularly useful subject and will some day be largely used for making hedges around houses, etc. Its dark green, stiff, leathery foliage, fringed by spiny bristles, is pleasing at all seasons.

Six Trees.

We are well off for trees, but the following six are particularly ornamental: *Micromela Folnerii* (a graceful and elegant tree, 10 to 25 feet tall, with corymbs of white flowers followed by orange-red fruits, leaves white on under side), *Styrax Hemsleyanus* (20 to 40 feet tall, flowers in white, large, erect in racemes), *Cornus Wilsoniana* (20 to 40 feet, flowers, white in corymbs), *Davidia involucreata* (35 to 50 feet tall, pyramidal in outline with two huge, white bracts subtending the flowers), *Populus lasiocarpa* (40 to 60 feet tall, with leaves 8 to 12 inches long, 10 inches wide the largest leaved poplar known), *Eucommia ulmoides* (30 to 50 feet tall, the only hardy rubber producing tree in the world).

The *Eucommia* and *Davidia* are monotypes and two of the most interesting trees known to science. The *Davidia*, with its huge bracts, is the most strikingly beautiful of all trees in the temperate flora. A young tree, nine years old from seed, flowered in England this year for the first time; cut sprays were exhibited at the Temple Show and the plant was unanimously awarded a first-class certificate of merit.

Six Conifers.

Western China is particularly rich in conifers, especially spruces and silver-fir. A great many are now in cultivation, but it is too early to speak of their hardiness or adaptability to cultivation generally. The following six are particularly handsome trees in their native haunts: *Abies recurvata*, *Abies Fargesii*, *Picea complanata*, *Picea purpurea*, *Pinus Wilsonii* and

Pinus Armandii. The last-named is a white pine and has, for several years, been in cultivation with Mr. Walter Hancewell at Wellesley and in the Arnold Arboretum. It is quite hardy, grows freely and promises to be a useful addition to the pinetum.

Six Brambles.

A remarkable feature of the Chinese flora is its wealth in handsome ornamental brambles. Several of them are worth cultivating as a future source of new berries, others are valuable for their handsome foliage, white stems, and graceful habit: *Rubus innominatus* (6 to 10 feet tall, fruits orange-red in thyrsoid panicles, of good flavor, ripe in September), *R. amabilis* (4 to 6 feet, flowers large, white, solitary, fruit red, with splendid flavor, ripe in July), *R. lasiostylus* (6 to 8 feet tall, stems pure white, bristly and very ornamental), *R. pileatus* (5 to 8 feet tall, stems glaucous in winter, fruits orange, delicious flavor), *R. bambusarum* (8 to 12 feet tall, leaves three foliolate on whip-like branches), *R. flagelliformis* (8 to 10 feet tall, leaves ovate with velvety markings, branches whip-like). The last two thrive best in shade, being woodland species.

Rhododendrons.

About one hundred and fifty species of rhododendron are known from China, and nearly a hundred of these are now in cultivation. How many will succeed here, around Boston, is a moot point, but surely an odd one or so may reasonably be expected to win through. In China these rhododendrons vary from tiny shrubs, 6 inches to a foot tall, on the Alpine moorlands, to trees in the forests depths 50 feet or more tall. The flowers are of every hue—yellow being amongst them, too. *Rhod. micranthum* has small trusses of *Ledum*-like white flowers and promises to be hardy hereabouts. It flowers in a small state and is a floriferous and pleasing shrub. *R. flavidum* and *R. ambiguum* are both small growing species with yellow flowers which quite probably will be hardy in this neighborhood.

Willows.

Willows are abundant in Western China and some of them are remarkably "unwillow-like" in appearance. I have here specimens of two species. One, *S. Bockii*, is worth growing as an autumn flowering shrub. The catkins are white (yellow anthers in the male), borne on the current season's growth (an almost unique character) and in such profusion as to warrant its being classed as a shrub with ornamental flowers. The other, *Salix magnifica*, is worth growing as a foliage plant! The largest leaf on the specimen before you measures, excluding the petiole, 8 inches in length, and is 5¼ inches wide. Can you conceive any plant more unlike a willow than this one?

Hardy Orchids.

Some of you present make a specialty of orchids. Now China is not a good orchid country, although several fine *Dendrobiums* are found there, including one of the most popular of all, *D. nobile*. Among the terrestrial orchids several fine *Cypripediums* occur. I would draw your

attention to three: *C. tibeticum*, *C. Franchetii* and *C. luteum*. All three are hardy, good growers and well worth growing. The first-named grows 6 to 10 inches tall and has very large, dark red flowers. The second grows 15 to 20 inches tall and has rosy-pink flowers in the way of the Siberian *C. macranthon*. The third is a yellow spectabile.

Lilies.

Lilies—some forty species of these favorite flowers are known from China and quite a number are now in cultivation. During the past season Messrs. Farquhar & Co., of this city, have exhibited, on several occasions, two of these new Chinese lilies, namely, *L. Sargentiae* and *L. myriophyllum*. Both are quite hardy, of vigorous constitution, and revel in loam and sunshine. I would draw your attention to two others having reflexed, not tubular flowers. *Lilium sutchuenense* and *L. Duchartrei* are their names. Here are illustrations of them, drawn from plants which flowered with Messrs. Veitch a few years ago. The first named is a refined tigrinum with slender, elegant foliage and bright scarlet flowers. It likes loam and sunshine and having a small bulb, will flower well the second year from seed. *L. Duchartrei* is the only peat-loving lily I know of in China; the flowers are white spotted and splashed with vinous purple. Its constitution is not so vigorous as the others and it requires careful cultivation, though its hardiness, since it comes from 9,000 to 11,000 feet altitude, is assured.

New Greenhouse Plants.

So far I have dealt with hardy plants, but some of you are growers interested only in greenhouse plants of decorative value. These hardy plants are not in your line exactly, but I have reserved a final half dozen for your especial line of business. Here they are with an extra one thrown in: *Rehmannia Henryi*, *Corydalis Wilsonii*, *Buddleia asiatica*, *B. officinalis*, *Jasminum primulinum*, *Parthenocissus Henryana* and *Clematis Armandii*.

Most of you are, by this time, familiar with *Rehmannia angulata*; *R. Henryi* is its white-flowered counterpart only it does not exceed 18 inches in height. By crossing and selecting from the progeny, a new type of early spring flowering plants may be evolved far exceeding the parents' form in beauty and general usefulness.

The *Corydalis* is a golden-yellow fumewort, with glaucous much divided foliage and erect racemes of flowers—an admirable subject for pot or basket culture, flowering in February and March.

Buddleia asiatica has pure white flowers, *B. officinalis* rosy-lilac colored flowers, produced in January and February. Cuttings rooted in the spring and grown on in 5 to 6-inch pots will flower the following winter. A liberal diet, plenty of water and full exposure to the light are the essentials. The flowers are borne in terminal, caudate panicles as in *B. variabilis*, so the pinching back must be done early in the season. The flowers are delightfully fragrant and for table and house decoration generally, they are admirably suited.

The *Jasminum* is fairly well known

further south but it is worth the growers' attention here. The large yellow flowers are borne axillary on the current season's wood. Cuttings rooted in spring and grown on in 5 to 6-inch pots will make nice stuff for table decoration in the winter months January and February. The vine has five foliolate leaves, some 5 inches long and 6 inches wide, with a pure white stripe down the primary and secondary veins. In the late autumn the green parts assume wonderful shades of crimson and scarlet if kept in a frost-proof greenhouse. Cuttings rooted in the spring and grown on in 6-inch pots will make plants, 4 ft. high, with many stems and dense masses of foliage. For decorative work at Thanksgiving and Christmas this plant has a great future before it.

The New Zealand *Clematis indivisa* is well known to you all. *Clematis Armandii* is a similar but better plant. Grow this newcomer in the same way as our old friend from "down under" and you have something worth while. There are two forms of this *Armandii*, one with white, the other with rosy-red flowers, both flower in March and April.

All these plants are of simple culture requiring only the ordinary attention of cool greenhouse plants. Give them not too much root room, feed them well, keep them near the light in winter and the results are assured.

With exception of the willows, *Styrax Hemsleyanus* and five of the conifers, the plants above mentioned are all purchasable or will be, in the spring. In several groups 'twould be easy to increase the number very considerably but time and space forbid. If any of you take up six of the sixty enumerated here and do them justice, they themselves will force you to take up as many others as you can acquire.

If you purchase from a seedsman a packet of seeds in the ordinary way and they fail to germinate, damp off or die, you can, by purchase, obtain the same thing again with little trouble and expense. If you buy ordinary plants the same obtains.

It is otherwise with plants culled from the wilds. The time and expense involved in obtaining new plants from remote regions are not the only reasons for taking good care of them when they arrive. I should like to draw your attention to a fact that few realize the seriousness of—and this has especial reference to trees. China is practically deforested and no attempt at reforestation is being made and every year trees become more scarce. The life of many species hinges on a comparatively small number of individuals and axe and fire may destroy them at any moment. Ten, twenty, or a hundred years may elapse before some of these rare trees and shrubs are again introduced to our gardens and some may be utterly wiped out of existence before the next collector has opportunity of visiting their present haunts.

Gentlemen, my task is done, I have spoken frankly and earnestly on behalf of those who so far have not, in this country, had a fair opportunity given them to speak for themselves. How far the time has been well or ill-spent depends upon you and others truly interested in horticulture.

BRITISH HORTICULTURE.

The Sweet Pea Trials.

The National Sweet Pea Society has recently published the official report of the trials of new varieties. A first class certificate has been awarded to Thomas Stevenson, sent by Dobbie & Co., of Edinburgh, also to Barbara, sent by Robert Holmes, of Tuckwood Farm, Norwich, the raiser being H. A. Perkin, of Reigate, Surrey. The following is a list of varieties receiving awards of merit, together with the names of the senders: F. Seymour Davis—F. Seymour Davis, Farnham. Mauve Queen—Dobbie & Co., of Edinburgh. Red Star—A. Malcolm, Duns, Berwick. May Campbell—Messrs Dobbie. Mrs. B. Gilbert—Gilbert & Son, Dyke, Bourne, Lincolnshire. The Committee of the Society has approved a set of recommendations for the arrangement of the trials next year. It has been decided to have a duplicate set of trials on heavy soil at least 100 miles north of London. The Floral Committee will pay one visit to each set, point each stock, and make its awards on the results thus arrived at. Under these conditions a scale of points will be prepared prior to the first visit, and all stocks obtaining a certain aggregate of points will be voted upon. The Floral Committee has also rendered a useful service in preparing a revised list of up-to-date varieties, classified under their respective colors, and also a classification of too-much-alike varieties. Not more than one of the bracketed varieties is to be shown on the same competitive stand at any of the Society's exhibitions. With the multiplicity of new sorts this list is very necessary.

Early Chrysanthemums.

The first show of the season of the National Chrysanthemum Society at the Crystal Palace early in October was not a large one. A bigger display will be made in the second show in November. There was an interesting array of new varieties, first-class certificates being awarded to the following: Bronze Goacher, a bronze sport from Goacher's *Crimson*, a popular variety on this side, shown by W. Wells & Co., of Merstham, Surrey. Miss E. Finch, a terra-cotta single, shown by M. F. Brazier, of the Nurseries, Caterham, Surrey. Emperor, a decorative variety, with bright crimson petals, and bronze reverse, shown by Lowe & Shawyer, of Uxbridge. The same firm received a commended award for Eskimo, a creamy white decorative variety. H. W. Thorp, of Durrington, Worthing, Sussex, received commended awards for Roundabout, golden bronze decorative variety, and Phoebe, a Japanese variety, with silvery pink petals.

W. H. Adsett,

A correspondent of the *Gardeners' Chronicle* states that *Ficus pandurata* is incorrectly named, the proper designation being *Ficus lyrata*, a name given to it previous to its introduction by Sander as *F. pandurata*. We think, however, it is *pandurata* for keeps so far as the trade is concerned.

THE EXHIBITIONS

MORRIS COUNTY GARDENERS' AND FLORISTS' SOCIETY.

The sixteenth annual flower show of this society was held in Assembly Hall, Madison, N. J., Oct. 26 and 27, and in addition there was held the annual convention of the National Gardeners' Association, the members of which were entertained at a banquet in the evening which altogether made it a memorable event in the horticultural history of this thriving country town. Madison is known the world over as the glass-covered rose garden of New Jersey and before those gigantic western establishments were brought into being Madison held the undisputed reputation of having the greatest area of rose houses in the universe. Naturally in such a place one would only expect to see a great and grand showing of roses on exhibition on such an occasion as this but for some reason there was not much more than one would see at the average show. The show as a whole was exceptionally fine, magnificent blooms most artistically arranged. It was all clean, elegant stock and all concerned deserve much credit. It does one good to visit Madison and meet the progressive men who do so much to advance horticulture not only in their own locality but all over the world. Many promising new things were shown. Totty's Sunburst rose radiated its grandeur all over and by its great qualities won many special prizes and many hearts. Mr. Totty also showed a vase of a new pink rose, No. 190, with splendid habit, perfect growth and flower. It will be a favorite. L. B. Coddington's Rose Queen appealed to us strongly; it is a lovely pink rose. E. H. Behre showed two blooms of new roses, babies of the future. Chas. H. Totty displayed a table of greenhorn chrysanthemums that will no doubt become prominent citizens ere long. It must be understood that this was the first exhibition of chrysanthemums about New York this season. Many good sorts were not available. Mrs. D. Syme was the leading flower of the show. Wodenethe the queen of carnations, and Sunburst shed glory in their respective lines.

There are always a few most popular classes in chrysanthemums in which the private gardeners with extensive facilities make special efforts to excel and the varieties winning are considered the best standard varieties to have. Thus in the class calling for 24 blooms, 24 varieties, there were several exhibitors, all of them showing grand blooms which taken collectively, were the largest flowers we have seen in many years. Wm. Duckham won first with the varieties D. B. Crane, Alice Lemon, Montigny, W. Woodmason, George Lock, President Viger, Countess of Granard, L. Morrison, Beatrice May, Frank Payne, W. M. Moor, Mrs. J. Hartman, H. E. Converse, L. Rosseau, F. T. Mew, Naceur-Bey, Mary Farnworth, O. G. Kelly, Mrs. H. Stevens, Lady Hopetoun, Mrs. D. Syme, Mrs. Lopes, Onunda and a seedling 43. Most prominent among the single varieties in the different winning classes were Mrs. H. J. Hampson, Chas. Graves, Bessie Payne, Katie

Covell, J. H. G. Williams, Mary Pope, Peter Pan, Ladysmith. There is a great future for good clean single chrysanthemums. The live wire in the Kingdom of Horticulture—"Bob" Schultz—attended to having neat lists of awards typewritten for the press. The flowers were auctioned off for the society's funds on the closing night. All in all it was a show that many a city could be proud of.

Cut Flowers—Chrysanthemums.

36 flowers, 6 varieties—Mrs. D. Willis James, gard. Wm. H. Duckham, 1st; Dudley Olcott, gard. C. Barbanes, 2nd.

18 flowers in 6 varieties—Spring Brook Farm, gard. J. Lindabury, 1st; Dr. D. H. McAlpin, gard. J. Downing, 2nd; O. H. Kahn, gard. Jas. Fraser, 3d.

12 flowers, 12 varieties—E. H. Wells, gard. Alec Robinson, 1st; Dr. D. H. McAlpin, 2nd.

10 flowers, any white variety—M. C. D. Borden, gard. Wm. Turner, 1st with Beatrice May; Mrs. D. Willis James, 2nd.

10 flowers, pink—Mrs. D. Willis James.

24 flowers, 24 varieties, 12 inch stems—Mrs. D. Willis James, 1st; M. C. D. Borden, 2nd.

3 vases of 6, pink, white and yellow—C. W. Harkness, gard. E. Wilde, 1st with Alice Lemon, Cheltoni, Mrs. D. Syme; Mrs. John Crosby Brown, gard. Peter Duff, 2nd.

12 flowers, 12 varieties—C. W. Harkness, 1st; Spring Brook Farm, 2nd; Otto H. Kahn, 3rd.

Stump & Walter prize, 6 flowers, 6 varieties—E. H. Wells, 1st; Mrs. J. Crosby Brown, 2nd; Charles R. Heddon, gard. A. Michael, 3rd.

6 flowers, any pink—Otto H. Kahn, 1st with Wm. Duckham.

6 flowers, any white—Mrs. J. C. Brown, 1st with Mrs. D. Syme; E. H. Wells, 2nd.

6 flowers, any yellow—Spring Brook Farm, 1st; O. H. Kahn, 2nd.

6 flowers, any crimson—O. H. Kahn, 1st with Pickett's Crimson.

6 flowers, any bronze—O. H. Kahn, 1st with Rose Pickett.

Vase arranged for effect—D. H. McAlpin, 1st; O. H. Kahn, 2nd.

Display of Pompons—H. Gaut, Glen Cove, L. I., 1st; Chas. H. Totty, 2nd.

12 vases single—J. W. Everitt, Glen Cove, N. Y., 1st; H. Gaut, 2nd.

6 vases single—Mrs. Cromwell, Summit, gard. John Watson, 1st; J. W. Everitt, 2nd.

Largest flower at the show—C. W. Harkness, 1st with Alice Lemon; O. H. Kahn, 2nd with L. Rosseau.

Elmer D. Smith prize, 6 flowers of Morristown—Charles H. Totty.

John Yeomans prize for 6 flowers of Wm. Turner—Chas. H. Totty.

Commercial Classics—10 flowers, white—Mrs. D. Syme; 10 flowers, yellow, Mary Donlan; 10 flowers, pink, F. C. Nash; 10 flowers any other color—Chas. H. Totty 1st in each.

Roses.

18 American Beauties—L. A. Noe, 1st.

12 American Beauties—L. M. Noe, 1st; P. A. B. Widener, Ogontz, Pa., gard. Wm. Kleinholz, 2nd.

25 Bridesmaids and 25 Brides—L. A. Noe, 1st.

25 Richmonds—L. B. Coddington, 1st.

L. A. Noe, 2nd; Chatham Rose Co., 3rd.

25 pink Killarney—L. B. Coddington, 1st.

L. A. Noe, 2nd.

25 white Killarney—L. A. Noe, 1st; L. B. Coddington, 2nd; Edward H. Behre, 3rd.

Any other pink—Chas. H. Totty, 1st with Radiance; Edward H. Behre, 2nd; The Noe Farm, 3rd.

25 any yellow—Charles H. Totty, 1st with Lady Hillington; L. B. Coddington, 2nd.

12 Bridesmaids—Robt. M. Smith, 1st.

A. C. Van Gasbeck, gard. J. Dorvan, 2nd.

12 Richmonds—Chas. H. Totty, 1st; P. A. B. Widener, 2nd; C. W. Work, gard. Wm. Mulmichel, 3rd.

12 pink Killarney—P. A. B. Widener, 1st; John R. Mitchell, 2nd; A. C. Van Gasbeck, 3rd.

12 white Killarney—P. A. B. Widener, 1st; C. W. Work, 2nd; A. P. Smith, 3rd.

12 any other pink—L. B. Coddington, 1st; P. A. B. Widener, 2nd; A. P. Smith, 3rd.

12 any other yellow—J. F. Dryden, gard.

A. Morrison, 1st with Perle des Jardine; Mrs. D. Willis James, 2nd.

12 any undisseminated rose seedling—

Chas. H. Totty, Madison, N. J., 1st with No. 190.

Badgley, Riedel & Meyer prize Best of 25 roses other than American Beauties—Chas. H. Totty, 1st with Sunburst.

Carnations.

25 pink—Mrs. D. Willis James, 1st with Mrs. C. W. Ward; P. A. B. Widener, 2nd; G. F. Neipp, 3rd.

25 white—P. A. B. Widener, 1st with White Perfection; G. F. Neipp, 2nd.

25 red—G. F. Neipp.

25 any other color—Mrs. D. Willis James, 1st; Dr. D. H. McAlpin, 2nd.

12 pink—C. W. Harkness, 1st; Glimpsewood Manor, gard. H. B. Vyse, 2nd; O. H. Kahn, 3rd.

12 white—Mrs. D. Willis James, 1st with Wodenethe; S. M. & A. Colgate, gard. Wm. Read, 2nd.

12 red—Mrs. Cromwell, gard. John Watson.

12 any other color—Mrs. Cromwell.

18 blooms, any undisseminated variety—Wm. H. Duckham, 1st with a fine large scarlet; Charles H. Totty, 2nd.

Badgley, Riedel & Meyer prize, best 25 blooms one variety—G. F. Neipp.

Double violets—Richard Langle, White Plains, N. Y.

Single violets—Mrs. J. C. Brown, 1st; Richard Langle, White Plains, N. Y., 2nd.

Plants.

Group of chrysanthemum and foliage plants arranged for effect on 50 square feet—Dr. D. H. McAlpin, 1st; Glimpsewood Manor, 2nd.

Specimen chrysanthemum plant, white—Mrs. John Crosby Brown with Lady Lydia.

Specimen chrysanthemum, yellow—Mrs. J. C. Brown, 1st; Dr. D. H. McAlpin, 2nd.

12 plants, 12 varieties, single stem—Dr. D. H. McAlpin.

6 plants, single stem—Mrs. J. Crosby Brown.

Begonia Lorraine—Chas. W. Harkness.

1 foot table of orchid and fern plants—Mrs. D. Willis James.

Arthur T. Boddington prize for 12 varieties of vegetables—Glimpsewood Manor, 1st; O. H. Kahn, 2nd.

Peter Henderson Co. prize for 8 varieties of vegetables—O. H. Kahn, 1st; Glimpsewood Manor, 2nd.

5 plates, 5 varieties of apples—Dr. D. H. McAlpin, 1st; John C. Lyle, Tenafly, N. J., gard. Joe Kennedy, 2nd.

Greenhouse grapes—M. C. D. Borden, 1st with Barbarossa and Lady Hunt; Glimpsewood Manor, 2nd.

2 bunches green use grapes—Glimpsewood Manor, 1st with Gros Colman, Muscat of Alexandria.

Harry A. Bunyard prize for collection of Narcissus and ferns in pots was won by W. H. Duckham with a splendidly grown lot of these two little known brilliant flowers.

Chas. Weber, Lynbrook, L. I., was awarded Certificate of Merit for deep pink carnation "Brooklyn."

Cultural Certificate to G. F. Neipp for 50 carnations, 10 varieties.

Cultural Certificate to James D. Cockcroft, Northport, L. I., for deep pink seedling carnation, No. 210.

Wm. Tricker, Arlington, N. J., exhibited his new Vinca Minor Aurea.

Lager & Hurrell made a splendid and very notable display of orchids.

Carl Schaefer, of Tuxedo Park, N. Y., won a certificate of merit for new chrysanthemum, Ramona.

C. H. Totty showed a grand lot of single and pompon chrysanthemums.

H. A. Dreer had a fine table of dahlias and ferns.

W. A. Manda's group was very fine, including many prime novelties.

Thomas Jones showed cuttings, etc., in excellent form.

J. IVERA DONLAN.

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TARRYTOWN HORTICULTURAL SOCIETY.

The 13th annual exhibition held Oct. 27, Nov. 1 and 2, was a most impressive, beautiful picture. Committees and management did nobly and all visitors proclaimed it the best and most artistically arranged show ever given in Tarrytown. A judicious use of wild smilax along the balcony and

The first prize was awarded to F. Heeremans, Supt. for W. D. Sloane, Elmcourt. The leading feature of his group was his specimen crotons, particularly the variety Warrenii, the individual specimens being over 4 feet high and furnished to the pots. These were arranged on pedestals of cork bark and decorated with masses of Gypsophilla paniculata, Rex and Lorraine begonias. The ground work of his group was principally Farleyense ferns and lily of the valley, interspersed with Lillium candidum. In the second group, put up by Allen Jenkins, Supt. to S. P. Shotton, four fine specimens of Abutilon Thomsonii were used, the white variegation of which made a pretty contrast to the more predominating red and yellow foliage. In this also a large mass of Clerodendron falax was used, with begonias, lily of the valley, Farleyense, etc.

As usual a very keen competition took place in the vegetable classes. The specimens shown were all well up to the high-class Lenox standard. The judges had their hands full, and when the points were counted there were only nine points between the first and second prize in the class for eighteen varieties, and fifteen in the class for twelve varieties. W. S.

Prize List.

Three Specimen Chrysanthemum Plants Mrs. J. E. Parsons, Specimen Plant R. Spiers; Twelve Single-stem Plants 1st, R. Spiers; 2nd, S. Carlquist; Group of Plants Arranged for Effect 1st, F. Heeremans; 2nd, A. J. Jenkins; 3rd, E. Jenkins; Specimen Kentia A. H. Wingett; Specimen Aloe A. H. Wingett; Specimen Palm, Any Other Variety 1st, F. Heeremans; 2nd, A. H. Wingett; Specimen Fern, Other Than Nephrolepis 1st, A. H. Wingett; 2nd, S. Carlquist; Three Specimen Ferns 1st, A. H. Wingett; 2nd, F. Heeremans; 3rd, S. Carlquist; Twelve Flowering Plants 1st, A. H. Wingett; 2nd, J. W. Pybus; Twelve Ornamental Foliage Plants 1st, J. W. Pybus; 2nd, A. H. Wingett; 3rd, A. J. Jenkins; Three Begonia, Group of Lorraine A. H. Wingett; Group of Orchids F. Heeremans; Twelve Cattleya Labrida 1st, J. W. Pybus; 2nd, J. J. Donohoe; Twelve Cypripedium E. J. Norman; Twelve Oncidium Varicosum Thos. Proctor; Six Oncidium Varicosum 1st, J. J. Donohoe; 2nd, A. H. Wingett; 3rd, A. J. Jenkins; Specimen Orchid in Flower (Julius Roehrs Prize) 1st, J. W. Pybus; 2nd, Thos. Proctor.

Chrysanthemums, Cut Blooms, 18 Blooms, One Variety C. S. A. Cup 1st, A. J. Jenkins; 2nd, Thos. Proctor; 3rd, J. J. Donohoe; Six Blooms of Lenox 1st, R. Spiers; 2nd, A. J. Jenkins; 3rd, F. Heeremans; District Varieties 1st, A. J. Jenkins; Six Blooms, Red 1st, S. Carlquist; 2nd, A. J. Jenkins; 3rd, F. Heeremans; Vase of 24 Blooms 1st, F. Heeremans; 2nd, A. J. Jenkins; 3rd, R. Spiers; 4th, Thos. Proctor; Twelve Blooms, District 1st, S. Carlquist; 2nd, R. Spiers; 3rd, Six Blooms, District 1st, W. A. J. Coppinville; 2nd, J. J. Donohoe; S. B. S. Dis-seminated in 1911, Yellow 1st, S. Carlquist; 2nd, Thos. Proctor; A. J. Jenkins; Twelve Blooms, District 1st, 1st, S. Carlquist; 2nd, A. J. Jenkins; 3rd, J. J. Donohoe; Six Blooms, White 1st, A. J. Jenkins; 2nd, S. Carlquist; 3rd, Thos. Proctor; Six Blooms, Pink 1st, W. A. J. Coppinville; 2nd, A. J. Jenkins; 3rd, Thos. Proctor; Six Blooms, Bronze 1st, Thos. Proctor; 2nd, A. J. Jenkins; Six Blooms, Any Other Color 1st, F. Heeremans; 2nd, A. J. Jenkins; 3rd, S. Carlquist; Three Blooms, Any Other Color 1st, F. Heeremans; 2nd, A. H. Wingett; 3rd, J. W. Pybus; Twelve Vases, Pink 1st, S. Carlquist; 2nd, E. Jenkins; Roses—18 American Beauty 1st, E. Jenkins; 2nd, J. J. Donohoe; 3rd, F. Heeremans; Twenty-four Pink 1st

E. Jenkins; 2nd, F. Heeremans; Twenty-four White 1st, E. Jenkins; 2nd, F. Heeremans; Twenty-four Kidney 1st, E. Jenkins; 2nd, F. Heeremans; Twenty-four Scarlet 1st, E. Jenkins; 2nd, F. Heeremans; Twenty-four Pink 1st, A. H. Wingett; 2nd, J. J. Donohoe; 3rd, R. Spiers; Twelve White 1st, A. H. Wingett; 2nd, J. J. Donohoe; Twelve Kidney 1st, J. J. Donohoe; 2nd, R. Spiers; Twelve Scarlet 1st, J. J. Donohoe; 2nd, R. Spiers; Twelve Yellow 1st, R. Spiers; Vase of 50 1st, E. Jenkins; 2nd, J. J. Donohoe; 3rd, F. Heeremans; Three Vases 2nd, E. Jenkins; 2nd, F. Heeremans; 1st, E. Jenkins; 2nd, F. Heeremans.

Carnations 24 White 1st, Thos. Proctor; 2nd, A. H. Wingett; Twenty-four Pink 1st, Thos. Proctor; Twenty-four Dark Pink 1st, Thos. Proctor; 2nd, A. H. Wingett; Twenty-four Light Pink 1st, A. H. Wingett; 2nd, F. Heeremans; 3rd, Thos. Proctor; Twenty-four Scarlet 1st, Thos. Proctor; 2nd, A. H. Wingett; Twenty-four Crimson 1st, A. H. Wingett; Twenty-four Any Other Color 1st, A. H. Wingett; Twelve White 1st, S. Carlquist; 2nd, A. MacConnachie; 3rd, R. Spiers; Twelve Pink 1st, S. Carlquist; 2nd, A. MacConnachie; 3rd, G. A. Reed; Twelve Dark Pink 1st, J. W. Pybus; Twelve Light Pink 1st, S. Carlquist; 2nd, J. W. Pybus; 3rd, G. A. Reed; Twelve Scarlet 1st, A. MacConnachie; 2nd, S. Carlquist; 3rd, G. A. Reed; Twelve Any Other Color 1st, R. Spiers; Vase of 50 in Variety (W. C. Glockner's Cup) 1st, S. Carlquist; 2nd, Thos. Proctor; 3rd, F. J. Norman; 4th, F. Heeremans; Single Violets 1st, F. Heeremans; 2nd, E. J. Norman; 3rd, R. Engelman; Double Violet 1st, A. H. Wingett.

Twelve Dishes of Apples A. MacConnachie; Six Dishes of Apples 1st, E. Jenkins; 2nd, F. H. Butler; 3rd, J. J. Donohoe; Six Dishes of Pears 1st, E. Jenkins; 2nd, Geo. Thompson; Indoor Grapes, Black 1st, S. Carlquist; 2nd, F. Heeremans; 3rd, E. Jenkins; Indoor Grapes, White 1st, E. Jenkins; 2nd, S. Carlquist; 3rd, F. Heeremans.

Eighteen Varieties of Vegetables (Eustace Jacques Cup) 1st, E. Jenkins; 2nd, R. Spiers; Twelve Varieties of Vegetables (President's Cup) 1st, S. Carlquist; 2nd, F. Heeremans; 3rd, G. Thompson; Six Varieties of Vegetables D. Dunn, care of Mrs. Sturges; Ten Varieties of Potatoes 1st, A. H. Wingett; 2nd, E. Jenkins; Five Varieties of Potatoes 1st, F. H. Butler; 2nd, A. MacConnachie; 3rd, W. Angus; Celery 1st, S. Carlquist; 2nd, W. Angus; 3rd, E. Jenkins; Onions 1st, A. H. Wingett; 2nd, G. H. Thompson; 3rd, J. J. Donohoe; Carrots 1st, F. Heeremans; 2nd, G. Foulsham; 3rd, A. H. Wingett; Leeks 1st, W. Angus; 2nd, A. H. Wingett; 3rd, R. Spiers; Endive 1st, S. Carlquist; 2nd, A. H. Wingett; 3rd, F. Heeremans; Tomatoes 1st, J. J. Donohoe; Lettuce 1st, A. H. Wingett; 2nd, S. Carlquist; 3rd, G. H. Thompson; Cauliflower 1st, G. H. Thompson; 2nd, E. J. Norman; 3rd, A. J. Jenkins; Mushrooms 1st, F. Heeremans; 2nd, A. H. Wingett; 3rd, E. Jenkins; Cucumbers 1st, S. Carlquist; 2nd, G. H. Thompson; 3rd, E. Jenkins; Egg Plants 1st, G. H. Thompson; 2nd, R. Spiers; 3rd, A. H. Wingett; Peppers 1st, F. Heeremans; 2nd, G. Thompson.

YONKERS (N. Y.) HORTICULTURAL SOCIETY.

This society held a most successful fall exhibition in Hollywood Inn on Tuesday and Wednesday, Oct. 24th and 25th. The public showed keen interest and the society hopes to have local appreciation of the gardening art. Competition was keen in the vegetable and carnation classes. Mr. J. B. Trevor, gardener H. Nichols carried off the sweepstakes, a silver cup, presented by Mayor James F. Lennon of Yonkers. The winner of this prize put up most creditable exhibits, being placed first for specimen dianthus, six varieties of flowers, collection of vegetables and for cut flowers. Samuel Entenoy, supt. H. I. Nichols received a silver cup for a group of foliage and flowering plants. The Pride of Castle Gould, being remarkably well grown and effective. The same gentleman's exhibit of chrysanthemums was characterised by large well colored and finished blooms and his first prize for American Beauties

was awarded. T. Ewing, supt. R. Cochran was most successful in the carnation classes with four firsts. A. Lewis, supt. J. Canning, was placed first in both chrysanthemum classes and in one for carnations. Roses and vegetables were well shown by J. Eastman, gardener, R. Angus, who was credited with four firsts. J. B. Thompson, supt. L. Cushman, showed the largest chrysanthemum bloom, and put up a most artistic floral group. L. Milliot, florist, had a nice display and Julius Roehrs Co. exhibited a nice table of cut orchids. H. M. B.

NORTH SHORE HORTICULTURAL SOCIETY.

The Queen of Autumn was at her best at the exhibition of this society at Manchester, Mass., Oct. 25 and 26. While this was primarily a chrysanthemum show the giant pumpkins and other vegetables made one side of the hall look like an agricultural fair.

There was a good display of all classes of chrysanthemums, including show varieties, American raised seedlings, pompons and singles. The classes for specimen cut blooms were well filled and the entries numerous. The plant class were also good enough for experts to admire. The prize for best specimen chrysanthemum plant was won by Mrs. Lester Leland, gardener E. Wetterlow, with Amber Queen, a seedling of 1908. In groups of chrysanthemums and foliage plants first prize went also to Mrs. Leland. A certificate of merit was given to Mrs. R. A. Evans, gardener James George for a fine group of foliage plants.

In the dinner table decoration competition. Alex Magnussen, florist, won first with an arrangement of chrysanthemum Mispah and smilax. Second went to Mrs. James McMillan, gardener F. Brasch, who used chrysanthemum Golden Shower, red Japan maple foliage and berries of Ilex verticillata. Mrs. E. S. Grew, gardener Alfred Parsons was third with yellow chrysanthemums and green, which was also very fine.

The Stump & Walter cup for collection of vegetables was won by Mrs. Lester Leland with a very creditable display considering how late it is in the season. All the classes for vegetables were excellently filled. Handsome collections of fruit from Mrs. R. A. Wigglesworth, gardener Wm. Craig and Mrs. S. V. R. Crosby, gardener Chas. J. Allen showed the interest which is being aroused in New England fruit. Among the other exhibits, too numerous to report in full were zonal pelargonium pot plants and flowers, baskets of apples from Mrs. F. M. Whitehouse, gardener H. Menken, and grand specimens of Cattleya labiata from Mrs. Lester Leland and Mrs. Lathrop Brown, gardener Wm. Swan.

ROBERT A. MITCHELL.

LONSDALE APPRECIATED.

Pacific Garden for October given content with full page broadcast and a collection of Edwin Lonsdale, as the first collection of notes to be published. The author who have been since seen in the horticultural and improvement. All who know the genial Lonsdale will be ready to describe to the sentiment expressed by the author, that "to meet the man, one of nature's noblemen, is a benediction."

CLUBS AND SOCIETIES

NATIONAL ASSOCIATION OF GARDENERS.

In connection with the 16th annual exhibition of the Morris County Gardeners' and Florists' Society a session of the Gardeners' Association of America was held in the lecture room.

This association was incorporated under the laws of the State of New Jersey in July last and the annual convention was held on Friday, October 27, during the flower show at Madison, N. J. It was well attended and great interest was taken in all the proceedings. The lengthy constitution and by-laws were read and adopted and letters were read from the Mayor and Board of Trade of Buffalo, N. Y., inviting the association to meet in that city next year. Mr. J. Downing, president of the Morris County Gardeners' and Florists' Society, welcomed the assemblage to Madison and expressed hopes for the future of the society. The election of officers resulted in having for president, Thomas H. Logan, Jenkintown, Pa.; first vice-president, Martin E. Tilletson, Great Neck, L. I.; second vice-president, W. Rennie, Pasadena, Cal.; secretary, M. C. Ebel, Madison, N. J.; treasurer, R. H. Caverly, Lowell, Mass.

J. Otto Thilow made an eloquent address. He spoke in approval of the proposition to widen the sphere of activity of the Gardeners' Association and gave great credit to the great influence of the private estates, public parks, school gardens, embellishment of factory grounds, etc., in the advancement of horticulture in this country. He said that the demand for gardeners of ability is increasing rapidly and wonderful opportunities are now in sight for able men. In Europe they have reached the stage of civilization where they can't do without flowers and we, in this land of homes, are progressing in the same direction. The gardener should now assume a more aggressive stand and not keep himself so much to himself. Be earnest; be enthusiastic; drill and sing horticulture into the ears of the people. He closed with an urgent plea for the prevention of further forest depletion.

J. K. M. L. Farquhar was the next speaker, his topic being the "Gardeners' Opportunity as Presented Today"—such an opportunity, Mr. Farquhar declared, as had never occurred in this or any other country. The gardener, he said, is to take a higher position, with a recognition and recompense more in keeping with his services. He would have the gardener prepare for this by making himself master of his calling. The outdoor department of horticulture is the most important at the present time. Too many of the craft are deficient in knowledge of essentials and there is imminent danger of the gardeners being supplanted by students with a college-acquired scientific education, but lacking horticultural knowledge. The gardener should know soil constituents, the fundamen-

tal requirements for tree growth and vegetable culture; should have an all-round equipment in the use of hardy perennials and shrubs, the laying out and development of grounds, the use of the level, the making of drains and care of lawns, plant physiology, entomology, the forcing of fruit and vegetables under glass, as well as exotic plants and flowers. The "tree doctor" is an encroachment on the gardeners' domain which the gardener should by his own knowledge be able to repel and a large proportion of the landscape architects are equally superfluous. The gardener should be in a position to do all these things and be able to so lead his employer that he would come to him for counsel in all such operations instead of depending upon book-taught interlopers for advice on matters which the latter are accustomed to assert the gardener does not understand. "Learn, learn, learn," was the burden of Mr. Farquhar's appeal and it made an almost sensational impression upon his audience.

C. H. Totty then addressed the Association on the subject of the "Proposed National Flower Show in New York, in 1913, Its Aims, and the Gardeners' Duty and Privilege in the Great Enterprise." Everything should be done to help along the great movement to induce the people to have their own home, own flower garden, own fruits and vegetables. The gardeners' power for good in this great upward movement is immeasurable. The flower show can be made to do much effective work to this end. The gardeners should enthusiastically support the S. A. F. and personally as well as in their organized capacity co-operate with the S. A. F. in its commendable project.

Wm. J. Stewart, John Young and W. E. Maynard were also called upon and gave unstinted approval to the sentiments expressed by the previous speakers.

Following adjournment the members and visitors were invited to dinner at the American House, after which speeches were again in order. J. Austin Shaw complimented the Morris County organization on the success of its exhibition and predicted an unprecedented display at the National Flower Show in New York. "Baby" Foley from Chicago avowed he was celebrating his birthday and removed his coat for greater freedom as he addressed his audience as "Fellow gentlemen and gardeners, newspaper men and barnacles," and related some of his past performances, closing with a cordial invitation to all to come to Chicago S. A. F. Convention next summer. E. O. Orpet spoke interestingly of his experiences in gardening in the west. H. A. Bunyard said that the Gardeners' Association should stand on its own bottom as a gardeners' organization and leave the general field to the Society of American Florists. M. C. Ebel, R. M. Schultz and C. H. Totty all spoke words of welcome on behalf of the local society. Other speakers were J. H. Pepper, Wm. J. Stewart, Joseph A. Manda and Robt. Bottomley. The services closed with the singing of "Auld Lang Syne."

MASSACHUSETTS HORTICULTURAL SOCIETY.

The Committee on Gardens of the Massachusetts Horticultural Society represents one of the departments of the society's work the object of which is to encourage the development and ornamentation of private grounds of large and small estates. Premiums and medals are offered in recognition of tasteful planting and arrangement and for successful results in garden making.

The Committee has completed its visits of inspection for the current year and announces its awards as follows:

H. H. Hunnewell Triennial Premium.

For an estate of not less than three acres planted in the most tasteful and effective manner, with the most desirable ornamental trees and shrubs, and kept in the best order for three consecutive years: First—Col. Harry E. Converse, Marion; Second—Andrew Gray Weeks, Marion. For a garden of spring-flowering plants: First—George E. Barnard, Ipswich.

Society Prizes.

For a garden of summer or fall-flowering plants: First—George E. Barnard, Ipswich.

For a garden or collection of peonies: First—Wilton Lockwood, South Orleans.

For a garden or collection of hardy roses: First—Col. H. E. Converse, Marion; Second—Wilton Lockwood, South Orleans.

For a garden or collection of irises: First—Dr. Harris Kennedy, Milton.

For a rock garden: First—Charles W. Parker, Marblehead; Second—George E. Barnard, Ipswich.

For a water garden: First—Col. H. E. Converse, Marion; Second—George E. Barnard, Ipswich.

For a garden of large or small fruits: First—Dr. W. G. Kendall, Atlantic; Second—George E. Barnard, Ipswich.

For a vegetable garden: First—Oliver Ames, North Easton; Second—George E. Barnard, Ipswich.

Special Awards.

C. S. Eaton, Marblehead, Honorable Mention for vegetable garden. Mrs. H. R. Foote, Marblehead, First Class Cultural Certificate for rose garden. F. A. Smith, Ipswich, First Class Cultural Certificate for apple culture. David F. Roy, Silver Medal for superintendence of Converse estate, Marion. James Marlborough, Silver Medal for superintendence of Proctor estate, Topsfield.

The annual chrysanthemum exhibition of the Massachusetts Horticultural Society will be held at Horticultural Hall, Thursday to Sunday, November 9 to 12. From the entries already promised a brilliant show is assured. In addition to the display of chrysanthemums there are classes for orchids and for groups of flowering and foliage plants. There will be also exhibits of fruits, native and foreign, arranged for decorative effect with autumn foliage and berried shrubs. A popular ladies' orchestra will furnish music every afternoon and evening.

WM. P. RICH, Secretary.

AMERICAN ROSE SOCIETY.

The supporters of the American Rose Society are responding finely to the request for a guarantee fund to enable the society to offer a first-class prize list for the coming joint exhibition at Detroit. Several amateurs have come forward—Samuel Thorne, of Millbrook, N. Y., and Mrs. E. M. Sharpe of Wilkesbarre. Also ex-President W. H. Elliott, August Poehlmann, and "A Friend."

The Detroit show will be made a public popular exhibition. The Wayne

Pavilion is virtually a Crystal Palace, so situated that thousands of people can visit it. The dates are January 10, 11 and 12, 1912; admission is fixed at 25 cents straight, no cuts. The roses and carnations will occupy the floor and the sides will be well decorated. Chicago will be represented and Canada will do her best. Detroit is very central and with R. R. facilities unsurpassed. At Boston last spring it was noticeable that, no matter what the other attractions, the crowd surged toward the roses every day the show was open.

President Farenwald has called a meeting to prepare the prize list and as soon as completed the same will be sent out without delay. The Rose Society is making an effort to secure a list of accurate registrations and there arises from time to time conflicting claims as to priority of names. Silver medals have been sent to Robert Scott & Son, Sharon Hill, Pa., and to S. J. Reuter & Son, Westerly, R. I. A gold medal was voted to M. H. Walsh of Woods Hole, Mass., in recognition of the work done by him in the development of climbing roses, a line of floriculture that has taken hold of the American public for summer home decoration in a manner that is visible the country over, literally exemplifying the motto "A Rose for Every Home, a Bush for Every Garden."

BENJAMIN HAMMOND,

Secretary.

Fishkill-on-Hudson, N. Y.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Work of Committees.

Cincinnati, Ohio, Oct. 21.—Alice Solomon, Inc., color white, exhibited by the E. G. Hill Co., Richmond, Ind., Commercial scale: Color 18, form 12, fullness 8, stem 15, foliage 12, substance 10, size 8; total 83.

New York, Oct. 21.—Jennie, Jap., color white, blush tint, exhibited by Alfred J. Loveless, Lenox, Mass. Commercial scale: Color 16, form 12, fullness 10, stem 12, foliage 14, substance 14, size 9; total 87.

Reports of examining committees C. S. A. are as follows:

Chicago, October 28. Arthur Orr, lemon yellow, Inc.; scored 81 points; exhibited by Peter Schilt, Evanston, Ill.

Chicago, October 28. Esthetic, lemon yellow, Inc., 87 points; exhibited by Elmer D. Smith & Co., Adrian, Mich.

Chicago, October 28. Pink Gem, pink, Inc., 90 points; exhibited by Elmer D. Smith, Adrian, Mich.

Cincinnati, October 28. Pink Gem, pink Inc., 87 points; exhibited by Elmer D. Smith, Adrian, Mich.

Cincinnati, October 28. No. 10-1909, white Inc., 80 points; exhibited by H. W. Riegan, Indianapolis, Ind.

New York, October 28. Sport of Brighthurst, bronze, 85 points, Ex. scale; exhibited by Alfred J. Loveless, Lenox, Mass.

Philadelphia, October 21. Mrs. Bartlett E. Hayward, pink Inc., scored 85 points; exhibited by G. A. Lotze, Glen Burnie, Md.

CHAS. W. JOHNSON, Sec'y.

A REUNION PLANNED.

It is the wish of many of the members of the old New York Gardeners' Society, which did much to encourage horticultural shows and societies many

years ago in New York and surrounding towns that a reunion of the "Old Guard" gardeners and friends should be held this winter in New York City. Would be glad to hear from all of them on the matter. Address J. Ivera Donlan, care Walter P. Sheridan, 133 West 28th St., New York City.

THE PHILADELPHIA SHOW.

The Pennsylvania Horticultural Society is making a special effort to put up the best show in years. Some time since, a joint committee with this end in view was appointed by the society and the Florists' Club of Philadelphia. J. Otto Thilow is chairman of this committee and that assures plenty of activity of the kind that counts. The cooperation and support of the commercial interests is especially sought and those who have novelties or anything of special value or interest either in chrysanthemums or anything else are urged to send them, to arrive at Horticultural Hall, Philadelphia, by Tuesday morning, November 7, and they will be properly cared for.

PERSONAL.

J. Chas. Murphy has finished his new addition to his plant.

Joseph E. Rolker, of August Rolker & Sons, New York, is now in Europe on a business trip.

J. Max Nitzschke, formerly with J. J. Habermehl's Sons, Philadelphia, is now with Sidney Hoffman, 61 Massachusetts avenue, Boston, Mass.

Charles E. Greening, of the Greening Nursery Co., Monroe, Mich., was operated on for appendicitis on October 20. At last reports he was rapidly recovering.

Mr. and Mrs. Otto A. Asperger of the Pahud Floral Co., Indianapolis, Ind., are in the east on their wedding trip and when in Philadelphia were guests of M. Rice & Co.

Harry Thorne for the past two and a half years employed in the greenhouses at the estate of Nelson W. Aldrich, has been appointed head gardener to F. F. Peabody, Albany, N. Y.

H. E. Bates of the King Construction Co. and Miss Jean Hay Hoey of Wayne, Pa., were married on September 7, at Wayne and have just returned from their wedding trip to the Weirs, Lake Winnepesaukee, N. H. Mr. and Mrs. Bates will reside at Washington Heights, New York City.

J. Ames Fraser for some years assistant gardener at the H. McK. Twombly estate, Newport, R. I., is now located at East Quoque, L. I., succeeding his late father in the florist business and John Booth, formerly at the Thayer estate, Lancaster, Mass., has succeeded Mr. Fraser at the Twombly place.

Visiting Providence—Walter Mott, representing Wm. Elliott & Sons., New York.

Boston visitors—John Dunbar, Supt. of Parks, Rochester, N. Y.; George C. Watson, Phila., Pa.

Cincinnati visitors—Martin Reukauf, representing H. Bayersdorfer & Co., Phila., and B. N. Schwartz of New York.

Visiting New York—J. K. M. I. Farquhar, Boston; W. P. Craig, Phila. Pa.; George C. Watson, Phila., Pa.; Herbert, Atco, N. J.; P. J. Foley, Chicago; E. O. Orpet, Lake Forest, Ill.

DURING RECESS.

Chicago Bowling, Oct. 25.

ORCHIDS.			VIOLETS		
Huebner	131	182 191	Bergman	172 191	122
Griff	151	177 193	Cole	138	97 158
Dezman	137	113 149	Whoeber	173 116	152
Farley	131	158 136	Olson	173	155 141
Zeck	205	183 190	Friedman	180	116 180

ROSES.				CARNATIONS.			
Goerisch	148	121	178	Lorman	125	124	147
H'rie'son	154	176	165	Baliff	140	148	201
Stack	169	171	178	Wint'ron	90	111	129
Lazaroff	166	106	97	Schultz	155	144	162
Wolf	147	159	163	A. Zeck	179	169	189

New York Bowlers.

A meeting of the Florist's Club bowlers was held on the alleys 31st. St. and Broadway, on Friday night, last and it was decided to meet there hereafter at 7.30 on Friday nights instead of 6.30. The principal scores of the evening were:

Scott	132	116	141	Nugent	91	128	97
Young	126	146	126	Holt	123	137	140
Rickards	181	168	156	We'ethered	—	—	65
Kakuda	178	165	159	Shaw	145	148	168
Ch'wick	192	214	197				

Cincinnati Bowling Scores.

Horning	171	144	200	C. Hoff	145	146	143
Wit't'r	133	116	148	O. Hoc	133	113	103
Sh'm'n	147	167	138	S'd'r'b'ch	95	177	142
J. Allen	124	160	138	W.S'm'n	217	148	150

The next meet will be on Monday, Nov. 20th.

BOSTON FLOWER EXCHANGE.

The annual banquet of the Boston Flower Exchange, Inc., was held at Young's Hotel on October 28 at 8 P. M.. About one hundred stock holders and guests were present and it was a very pleasant enjoyable affair. Wm. C. Stickel presided and proved, as usual, a very witty toastmaster. Among the speakers were J. T. Butterworth, Thomas Pegler, Wm. H. Elliott, A. C. Parker and W. J. Thurston. W. N. Craig and Robert Cameron spoke for the trade press. The meeting opened with the reading of a letter from E. Allan Peirce which was simply a prospective of what the Flower Growers' Association was doing and intended to do and what a similar combination was doing in New York. The old officers and board of directors were re-elected. A resolution was passed instructing the clerks of the meeting to forward a letter of condolence to E. Allan Peirce on the death of his little daughter, which was done.

INCORPORATED.

Bedford Hills, N. Y.—E. C. Haines & Co., general nursery and florist business. Capital stock \$75,000. Incorporators, E. C. Haines, E. Kratsch, W. R. Adams, Bedford Hills.

Newport, R. I.—Florists here had a busy time last week getting out wreaths for the funeral of Ida Lewis, the Grace Darling of America. So numerous were the floral tributes that two carriages were taxed to their capacity in carrying them to the cemetery. The flowers included nearly every kind in season. The gardening craft was honored on this occasion by James McLeish, the well-known grape grower being selected as one of the honorary carriers. Mr. McLeish has been a near neighbor of the heroine for a great many years.

MAY FLOWERING TULIPS.



DARWIN TULIPS.



Courtesy of A. T. Boddington

ROOM FOR IMPROVEMENT.

Dear Sir—I have read in your columns with interest and enjoyment the fine, vigorous address of Mr. Farquhar in New York and the notable letter from Professor Sargent concerning the lack of interest shown by our commercial horticulturists in the scientific side of their profession. I am very closely in touch with many amateur flower gardeners and I appreciate to the full, from their standpoint, all that these gentlemen have said. During the twenty years in which I have been in a position to know, my experience has been that if one wanted any English, French, German or Dutch novelty, one must write abroad, not to mention the impossibility of getting here named varieties of plants for years cultivated in England and on the continent,—plants perfectly suited to our climate, but which our seedsmen and nurserymen have disregarded entirely.

It is the exception, too, to find a florist who knows, except for roses, carnations and a few other things the names of the various varieties of flowers which he offers for sale. Lately I had occasion to buy some small autumn chrysanthemums of a large metropolitan firm of florists. The flowers were of so fine a form and color that I asked for their name and received the information that they were called "Baby Cakes in a Basket." Very courteous was this reply, but it felt like a slap in the face.

For the first time I met and enthusiastic men who deal in these wonderful wares of flowers, such as several whom I might name, the advanced amateur gardener in America should give Heaven thanks! The Garden Club of Michigan, an association of women to the number of fifty, has just been organized. They band together at a fortnightly meeting, for the seedmen of

this country in a few instances are now showing their desire to offer what amateurs who travel, read and adapt to their own climate and needs, should and will have. An era of "Gardening finely" is here, and with Mr. Farquhar I express the hope that our countrymen who deal in flowers and allied stock may seize the opportunities now crowding upon them. Let them buy abroad, sell here, profit greatly, but above all—study!

Very truly yours, K.
Michigan.

NEW MALLOWS.

A few weeks ago we had the pleasure of seeing a plantation in bloom, of the new hybrid marshmallows which Bobbink & Atkins, Rutherford, N. J., have been working up for some years. They are indescribably beautiful and showy and must be seen to be properly appreciated. The flowers run from eight to eleven inches in diameter, in brilliant tints of pink, salmon and crimson and are produced in great profusion, being at their best in latter part of August. These mallows are entirely distinct from and vastly superior to anything in this line yet produced.

This firm has established a fine rose garden which promises to be a great attraction at their nurseries. So far as we know it is the only attempt at a rose garden by any commercial concern in this country. There are now 5000 plants in over 300 varieties and they are making a vigorous growth. The enclosure is surrounded by a rustic cedar fence on which the climbing roses will be trained.

FALL-BEARING STRAWBERRIES.

We have received from L. J. Farmer of Pulaski, N. Y., a sample box of his Fall-Bearing strawberries. The

berries are of fair size, good color and flavor. There are two varieties, Francis and Americus. Mr. Farmer writes about them as follows:

These plants were grown in the open and unprotected. They were set last spring and all blossoms kept off until Aug. 20th. We began picking ripe fruit Sep. 10th, and they will continue to fruit until the hardest freezing weather. We are having wonderful success with them, having grown the improved varieties for three years now. Last year from 500 plants set May 1st we gathered during Aug., Sept. and Oct. 400 quarts of berries and sold them at the leading hotels and grocers at 25c. per quart. The 500 plants were set $3\frac{1}{2} \times 1$ ft. and occupied 1-25 of an acre. It will be seen that they yielded over 8000 quarts to the acre, netting something like \$2,000 to the acre.

C. HARMAN PAYNE.

The Journal of Horticulture, London, Eng., for September 28, contains an extended and very interesting biography of our esteemed European correspondent, C. Harman Payne. As there stated, Mr. Payne's position in the horticultural world is almost unique. His experience and services to the cause have been almost wholly literary, but he has exercised no small influence at home and abroad, and few men not directly in the trade are more widely known. For a quarter of a century his efforts on behalf of the chrysanthemum in England and on the continent have been unceasing and he holds exalted position among the chrysanthemum experts everywhere. His horticultural library is rich in antique and rare volumes and is very extensive in its general collection.

Boddington's "Quality" Tulips

Decoration-Day or May-Flowering; Darwin, etc.

Live, up-to-date and progressive, we might say aggressive, florists are planting more and more every year, the above useful and profit-bearing Tulips—because once planted they bloom from year to year with increasing value. With their immense flowers and long stems, (sometimes nearly three feet) and variety of colors, they sell as quickly again as the early varieties and come at a season when they are always welcome.

	100	1000
Bizarres. Handsome, rich flowers, with yellow ground, feathered or striped with crimson, purple and white; finest mixed.....	\$1.00	\$9.00
Bouton d'Or. Has deep clear yellow, globular, medium sized blossoms, with curious black-anthered stamens.....	1.00	8.75
Bybloems (Violets). Late Tulips with white ground, blotched, striped or feathered with lilac purple, violet, blue or black; finest mixed.....	1.25	10.00
Bybloems (Roses). Superfine mixed.....	1.25	10.00
Darwins. Very large flowers of good shape, on tall, strong stems; for brilliancy of color they surpass any other Tulip; they include every known shade from the lightest tint to the brightest hue; finest mixed.....	.85	7.50
Elegans. Dark crimson, beautifully reflexed.....	1.75	15.50
Gesneriana spatulata, or major. This variety has long been in cultivation. The beautifully curved flowers are brilliant scarlet with a bluish-black center, on tall stems. A large group of this Tulip massed by itself looks very striking.....	1.25	10.75
Gesneriana macrospila. Crimson-scarlet, black and yellow center.....	.85	7.50
Golden Eagle. A showy and attractive variety, color a rich deep yellow red. It blooms about the same time as Gesneriana major.....	.85	7.50

	100	1000
Golden Crown. Is a showy and attractive variety, with a rich deep yellow color, and the petals edged and tinged with red. It blooms about the same time as Gesneriana major.....	.75	6.00
Maiden's Blush or Picotee. Clear white, margined on the edge with pink. The flower is beautifully curved, but it is some what difficult to give a correct idea of the color. When it opens the petals are white and margined or penciled with pink to cerise. After two or three days the flowers change to a deep rose, and, unless one is acquainted with it it would not be recognized as the same Tulip. It stands remarkably well when cut.....	1.00	8.75
Parisian White. Rich lemon-yellow, with deeper center.....	1.25	10.00
Royal White. Pure white.....	2.00	18.00
Vitellina. Pale primrose, passing off to pure white, a tall and exceedingly handsome variety.....	1.75	15.50
Boddington's "Quality" Superfine Mixture May-flowering Tulips, for acclimating, and for planting in herbaceous or shrubbery borders.....	.75	6.50

Choice May-Flowering, or Decoration-Day Tulips

	100	1000
CALEDONIA. Bright orange, very beautiful variety.....	\$1.25	\$10.00
GESNERIANA IXIODES. Beautiful yellow, with black center.....	4.25	40.00
ELLEN WILLMOTT. Undoubtedly the finest May-flowering Tulip; flowers very large, beautiful form and of a soft creamy yellow; very fragrant.....	4.50	42.00
GALA BEAUTY, or COLUMBIA. Blotched vermillion and golden yellow.....	7.25	70.00

	100	1000
INGLEScombe SCARLET. Very brilliant scarlet, black base; a grand variety.....	1.75	16.00
INGLEScombe YELLOW. A large canary-yellow flower of perfect form, glossy and very beautiful.....	5.75	55.00
LUCIFER. Bright terra cotta-orange, very pretty \$1.50 per doz.....	11.00	
PRIMROSE BEAUTY. Color soft primrose, changing to white.....	3.00	28.00
THE FAWN. Very large oval flower, light grayish rose, changing to soft rosy white.....	3.75	35.00

Darwin Tulips (To Name)

Darwin Tulips are among the most varied and beautiful of all the late Tulips. Planted in the border they come into flower in late May and June. Flowers are large and borne upon tall, erect stems. Like the May-flowering Tulips they are indispensable for Decoration Day.

	100	1000
Ant. Roozen. Large flowering; rosy pink.....	\$3.00	\$27.50
Bronze Queen. Extra-large flower light yellow.....	2.25	20.50
Baronne de La Tonnaye. Clear rosy carmine.....	1.50	14.00
Dream. Soft lilac.....	1.75	15.50
GLOW. Brilliant growing vermillion, center blue, margined white.....	1.80	17.00

SINGLE NAMED TULIPS

Single Hyacinth, "Named Bedding"

	100	1000
Artus. Dark scarlet.....	\$0.85	\$7.50
Belle Alliance. Scarlet; good bedder.....	1.65	15.50
Cardinal's Hat. Dark red.....	.80	7.00
Canary Bird. Beautiful late yellow.....	1.00	7.50
Chrysolara. Pure yellow; handsome flower.....	.85	6.50
Cottage Maid. Rosy pink, white striped; excellent forcer; "Quality Brand".....	1.25	10.00
Cramoisie Brillante. Bright scarlet.....	1.00	8.75
Crimson King. Bright crimson; showy bedder.....	.85	7.50
Due van Thol. Red and yellow.....	1.00	8.00
Due van Thol. Crimson.....	1.00	8.50
Due van Thol. White (maximus) (true).....	.85	7.00
Due van Thol. Scarlet.....	1.25	12.00
Due van Thol. Rose.....	1.25	10.00
Due van Thol. Yellow.....	1.75	15.00
Duchesse de Parma. Orange red yellow shaded.....	1.00	8.75
Golden Queen. Very large yellow; fine globular form; the finest of its color.....	1.75	15.50
Joost van Vondel. Cherry red, white-feathered.....	1.25	12.00
Kelzerskroon. Red, with broad yellow edge.....	1.00	9.50

All First Size Flowering Bulbs Only

	100	1000
Le Reine. White, slightly rose-shaded; good forcer and bedder. Florists' Quality stock.....	.85	7.50
La Reine. First size.....	.75	5.75

Single Tulips to Color

Red, mixed, to color.....	\$0.75	\$7.00
White, mixed to color.....	.75	7.00
Yellow, mixed to color.....	.75	7.00
Pink and Rose, mixed to color.....	.75	7.00

Superfine Mixed Single Tulips

This mixture is made up of equal proportions of the best bedding Tulips, comprising a variation of color and shades that make this very effective when massed in beds. 75 cts. per 100, \$7.00 per 1000.

Fine Mixed Single Tulips

A mixture of good bedding Tulips for planting or selling over the counter to retail customers. 60 cts. per 100, \$5.50 per 1000.

ARTHUR T. BODDINGTON, Seedsman, 342 West 14th St. NEW YORK CITY

Obituary

Charles Pflomm.

Charles Pflomm, a pioneer Connecticut florist, died in Middletown recently, aged 78 years.

George M. Woodward.

George M. Woodward, gardener for J. J. Mitchell, Lake Geneva, Wis., died on October 24, aged 63 years. He was born in Malvern, England, and came to America 35 years ago.

Benjamin R. Wilson.

Benjamin R. Wilson, one of the best known residents of Bristol county as a seedman and gardener, died at his home in Bristol, R. I., on Oct. 26 as the result of a paralytic shock. He was in his 62nd year. He had a shock last spring and since that time his health had been gradually failing to the end. He was prominently identified with affairs in his native town and was considered an authority on seeds and garden work.

He is survived by a daughter, Miss Lillian M. Wilson of Bristol; a brother, Charles C. Wilson also of Bristol; and a sister, Mrs. John W. Wright of Providence.

Mrs. Elsie Martini.

Mrs. Elsie Martini, aged 39 years, wife of A. Martini, head gardener at "Loramoor" Lake Geneva, Wis., died October 22nd. of tetanus resulting from a broken limb received in a runaway accident. The death of Mrs. Martini came as a shock to the many friends of the family as it was hoped she was recovering from the result of the accident. Mr. Martini, formerly with Ernst Wienhoeber Co., Chicago, came with his family to Lake Geneva, a year ago last June and they have made a great many friends in this community who sympathize with the bereaved husband and children in their deep sorrow. Deceased was a woman of sterling character and beloved by all who knew her. The funeral was attended by the members of the Gardeners' Association and a large concourse of sorrowing friends. The floral tributes from members of the Association and other friends were beautiful beyond description and expressed in a measure the esteem in which Mrs. Martini was held by her associates.

John Lamb.

A brief telegram as we go to press announces the sudden death of John Lamb, a distinguished Philadelphia lawyer, who for many years was closely allied with the horticultural trade of that locality, and held in the highest esteem both socially and professionally, by all who knew him. Mr. Lamb was born in Scotland and came to Philadelphia in his infancy with his parents. He became a great lawyer and enjoyed a large private practice besides being latterly counsel for the Redding. He is survived by a widow and many boys and girls. His oldest son, William, has been associated in his father's law practice for several years. One brother also in the florists' business and at the time of his death was foreman on the establishment of John Burton at

Chestnut Hill. Another brother, Rev. James Lamb, is rector of the Episcopal church at Radnor. Mr. Lamb was of a very genial disposition and made friends everywhere, high and low, rich and poor. He was a thorough democrat with a small d was gifted with a shrewd and far-seeing mind and had a fund of grim humor which flashed out in unexpected places—often almost upsetting the grave dignity of judges when trying cases in court. He was a member of the Florists' Club of Philadelphia and for many years took an active part in all its social activities. A warm-hearted, gentle, kindly man. We will all miss him—especially those who had the good fortune to be particularly intimate with him. G. C. W.

NEWS NOTES.

Bellingham, Wash.—The greenhouses of S. M. Wile have been purchased by J. W. Kincaid.

Rockport, Mass.—It is rumored that a Boston florist will build a range of 500-foot greenhouses here for rose growing in the near future.

New Orleans, La.—Robert Reinecke, 3826 Dryades street, will start a nursery on 40 acres of land recently purchased in St. Bernard.

Johnson City, Tenn.—Swan & Chegin, dealers in evergreens, are succeeded by S. A. Swan. They were formerly located in Hunt Dale, N. C.

Bradford, Pa.—The greenhouses of W. C. Rockwell have been purchased by Wilson & Rickerson, who with this addition have about 25,000 feet of glass.

Warren, Ohio—The greenhouses of A. T. Hoyt, 505 W. Market street, have been purchased by Thomas Fletcher, who will remove them to his place on Wood street.

Philadelphia, Pa.—On November 1, John W. McIntyre, wholesale cut flower dealer, moved to 1713 Ranstead street from his present location at 1601.

Norton, Mass.—F. B. Luther writes HORTICULTURE that the building of his greenhouses recently reported is held up owing to a land deal which will not be settled till sometime this winter.

Norwood, R. I.—N. D. Pierce, proprietor of the Home Nursery, writes HORTICULTURE that the report generally circulated that he is building or contemplating building or adding to his present plant is erroneous.

New York, N. Y.—R. J. Irwin, who has recently opened headquarters here in general horticultural line, has just returned from a trip in New York State which gave him very encouraging results.

Wyomissing, Pa.—Bertrand H. Farr, proprietor of the Wyomissing Nursery and president of the American Peony Society, writes that he is building a packing shed and storage for plants, 28 x 100. He has a nursery of 20 acres.

Elizabeth, N. J.—The Wilson Plant Oil & Fertilizer Co. have removed their office from New York City to Elizabeth, N. J., where they have a large new plant and can handle the business to better advantage. Mr. Creighton and Mr. Watson are still interested in the company.

CHICAGO NOTES.

Trade Notes.

J. Schoepfle has finished the Post Office building and new greenhouses at 933 Belmont Ave.

The A. Henderson Co., is having a very busy season. Mr. Muller and Mr. Reburn are both on the road again this week.

J. Mangel had a butterfly luncheon decoration at the Blackstone Monday. Baskets of flowers were used on the tables and floral butterflies of tiny yellow pompons, violets, etc., were among the flowers.

The preliminary premium lists of the Milwaukee and Cincinnati flower shows have reached Chicago and no doubt will attract the growers here. The Milwaukee show will be held at the Auditorium from Nov. 15 to 19 inclusive and the Cincinnati show from Nov. 13 to 18.

Geo. Fisher, Chicago buyer of the Fisher Floral Co., says that the firm moved into its new store in the Burdick block Kalamazoo, Mich., last Saturday. The local press speaks very highly of the location and appearance of the store and also of the business ability of the firm.

The wholesalers experienced a very busy week end as the shipping day for New Orleans fell on Saturday and Sunday. All Souls Day and All Saints Day called for thousands of chrysanthemums, roses and carnations, and in some stores the force worked till midnight on Saturday and all day Sunday getting up their shipments.

Personal.

Frank Miller, an employe of J. P. Brooks of Morton Grove, quite seriously injured both wrists by falling upon some nails in the yard Sunday morning, and is laid up for the present.

Fred Krauss is back again with the E. F. Winterson Co., after several weeks' absence.

Harry Klunder has moved a few doors west and is now with Harry Rowe.

J. Propp has taken a position with the Alpha Floral Co.

Carl Beu is about again after a week's illness.

Miss Minnie Zalud is the latest addition to the force at J. Mangel's.

Visitors—Mrs. J. M. Smely, Aurora, Ill.; Ch. Lund, Wausaw, Wis.; J. A. Muller of Julius Roehrs Co., Rutherford, N. J.; W. F. Kasting, Buffalo, N. Y.; Fred C. Weber, St. Louis, Mo.; F. A. Gussenbauer, Adrian, Mich.; C. Peterson, Escanaba, Mich.

NEWS NOTES.

Baltimore.—Thomas Meehan & Sons of Philadelphia, Pa., are doing the landscape work around the court house at Towson.

All eyes are trained on the coming Maryland Week Exposition to be held under the auspices of the Maryland State Horticultural Society, December 4 to 9, inclusive. Prominent speakers will attend and the display will be large, being held in the Fifth Regiment Armory.

The record price for flowers last month was \$4.50 paid for sixteen faded roses and what might have been asparagus foliage, at the sale of unclaimed freight from the Baltimore & Ohio Railroad Co.

DREER'S SEASONABLE SPECIALS



COCOS WEDDELIANA

PALMS, FERNS, ARAUCARIAS, PANDANUS, ETC.

A special offer of the above has just been mailed to the trade. If you did not receive a copy and are interested write us.

DAHLIAS

A special catalogue offering 200 standard up-to-date varieties will be sent for the asking. It will pay you to consult this before making up your 1912 catalogue.

SPECIAL OFFERS OF JAPANESE IRIS, PAEONIES AND HARDY PERENNIAL PHLOXES are also still in force.

SPECIAL CIRCULARS offering **SEASONABLE STOCKS** are made throughout the season. If you are in the **TRADE** and do not receive copies write us and have your name on our mailing list.

For complete lines of Seasonable Florists' Stock, consult our current Wholesale List, issued September 1st.

HENRY A. DREER, Inc.
714 Chestnut St., Philadelphia, Pa.

NEWS NOTES.

San Francisco, Cal.—An assignment in favor of their creditors has been made by the Sievers, Cornwall Co.

Rialto, Cal.—E. I. Martin, of Redlands, is installing a heating plant on the property recently acquired from T. H. Lackey on Orange street.

New Rochelle, N. Y.—A nursery and landscape business has been started here by Thomas J. Wade. His greenhouses are at 74 Drake street.

Elmira, N. Y.—W. A. Wettlin, of the Wettlin Floral Co., of Hornell, has purchased eight acres of land one and a half miles west of here, and will use it for greenhouses and nursery.

Port Jefferson, N. Y.—J. R. Blackwood, landscape gardener and florist, has bought a farm near Philadelphia, to which he will remove in the near future.

Waynesboro, Va.—The Co-Operative Commercial Orchards Co. have changed their name to Co-Operative Commercial Orchards Co. and increased their capital to \$900,000.

Snelling, Cal.—Clarence B. Wisner, of Los Angeles, has purchased 7,000 acres of land which he intends to sell in 20 and 40-acre tracts and upon which he will establish a nursery and experimental farm.

New Castle, Ind.—The officers of the Heller Bros.' Co. have been moved from their location on South Main street to the property purchased in the west part of the city, the report of which purchase was made in the July 1st issue of HORTICULTURE.

Araucaria Excelsa

5 in., 8 to 4 tiers, 40c. and 50c.; 5½ to 6 in., 4, 5 and 6 tiers, 60c., 75c. and \$1.00; 7 in., 25, 30, 40 and 50 in. high, for lawns and porches, \$1.50 to \$2.00.

Cash with order, please.

Godfrey Aschmann

Wholesale Grower, Shipper and Importer of Pot Plants.

1012 West Ontario St.,

PHILADELPHIA, - PA.

PALMS, FERNS AND DECORATIVE PLANTS

JOHN SCOTT

Rutland Road and E. 45th St.
Tel. 2890 Bedford BROOKLYN, N. Y.

ASPARAGUS HATCHERI

The new Asparagus. Beats the old plumosus nanus in every respect. From 2½ inch pots, \$15 per 100.

A. N. Pierson, Inc.

CROMWELL, - CONN.

Boston Ferns 2½ in. \$3 per 100.
\$30 per 1000

Whitmani \$5 per 100; \$40 per 1000.
250 at 1000 rates

H. H. BARROWS & SON, Whitman, Mass.

HYBRID ORCHIDS

FLOWERED AND UNFLOWERED...

Julius Roehrs Co.

Rutherford, N. J.

ORCHIDS

Greatest quantity and variety in the country. Established and freshly imported. Also material in which to grow them.

Write for special list and catalogue.

LAGER & HURRELL, SUMMIT N. J.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World

SANDER, St. Alban's, England
and 258 Broadway, Room 721
NEW YORK CITY

ORCHIDS

PLANTS and FLOWERS always on hand

ORDONEZ BROS.

Madison, New Jersey

ROEHRS

Orchids, Azaleas, Palms, Lorraines, Crotons

RUTHERFORD, N. J.

WASHINGTON NOTES.

William R. Smith is reported as being quite seriously ill at the Providence Hospital.

The next meeting of the Florists' Club of Washington is slated for Tuesday evening, November 7.

Mr. and Mrs. Adolphus Gude of Anacostia have announced that their daughter Marie will be married to Mr. Charles DeShields of this city on the evening of November 15.

C. J. Saunders is making quite a showing at the new location at 1415 U street, N. W. This, by reason of its close proximity to the railway transfer point, should prove a good stand.

The Washington Florists Co. last week reopened their branch store at 1707 Fourteenth street, N. W., for the fall and winter season with Mr. W. S. Fisher in charge. The store has been closed all summer.

Work is progressing on the new store of J. H. Small & Sons but no definite date has been set for the removal. The new quarters are in the recently constructed Southern Building on H at Fifteenth street, N. W.

D. G. Grillbortzer and Charles Kramer have been appointed as members of committee of the Retail Merchants' Association of Alexandria, Va., the former to that on reception and entertainments, the latter to streets, roads and parks.

The Department of Agriculture is holding its tenth annual chrysanthemum show at the propagating gardens. Fourteenth and B streets, N. W. The show is open from 9.00 a. m. until 9.00 p. m., and ends on Sunday, November 5. Members of the greenhouse force competent to do so, are on hand to explain the different varieties and their history to the public and thousands are taking advantage of the opportunity of seeing the exhibition. Something like fifty new varieties are being shown.

A number of new men have entered the employ of local stores during the past week or ten days, among these being: Harry Cunningham of Hampton, Va., with J. H. Small & Sons; William F. Gutshall, now at F. H. Kramer's F street store, was formerly located at the United States Propagating Gardens, as was Benjamin Russell, who is now employed at Kramer's greenhouses in Anacostia. E. J. Reynolds has joined the Washington Florists Company's forces, having come to this city from San Francisco, Cal., where he was employed by the Art Flower Co. Mr. Reynolds has been located in Denver and on the coast for several years, prior to which time he was in Newark, N. J., and other nearby cities. He is well known on both coasts.

The Washington Florists Co. had an exceptionally fine Halloween window last week. They had a reproduction of the old witch and her broom sitting on the last quarter of the moon with her old black cat with one eye white and the other blue, these and that of the witch being formed by electric lights. The figures were suspended from the ceiling. The window was decorated in imitation of a farm yard. There were pumpkins, ears of corn and other farm truck on the moss covered floor, surrounded by yellow and white dahlias and chrysanthemums and Killarney roses.

Nearly all the florists in town fur-

ENGLISH ELMS WANTED

Several hundred English "field" Elms. This is the type frequently seen in Boston and other places in the Eastern States, in large specimens. Old trees can often be identified by their habit of suckering. Trees should preferably be about 15 feet high and 3 inches in diameter. State particulars, giving prices, sizes, location, etc. Address

OLMSTED BROS., Landscape Architects BROOKLINE, MASS.

nished flowers on the occasion of the grand opening of the "Greater Palais Royal" and marking the opening of a new building, an addition to this already large department store. To Gude Bros. fell the work of decorating the store and in this large quantities of chrysanthemums, American Beauty and other roses, string smilax, autumn leaves and potted ferns and palms were used. F. H. Kramer furnished a number of pieces, among them being an enormous horseshoe of vari-colored dahlias. C. J. Saunders furnished a number of pieces all of which were well made of white and yellow chrysanthemums, ferns, smilax, autumn leaves and yellow satin ribbon. J. H. Small & Sons supplied a green rustic basket filled with white and yellow chrysanthemums, American Beauties, etc. Mayberry & Hoover's contribution to the show consisted of a handsome basketful of dahlias. Marche & Co. furnished a basket of dahlias and Richmonds; George C. Shaffer a basket of Beauties and chrysanthemums, and other florists did their share. There were probably thirty or forty more pieces furnished by the different florists on exhibition during the early part of the week but space does not permit of mention of more than perhaps the leaders.

CLARENCE L. LINZ.

PHILADELPHIA NOTES.

A good frost would help stir things up. We want the geranium, the sage and the dahlia off the lawns. Then there will be something doing in tulips and hyacinths and such! It would help the cut flower business also. People will not buy while they still have plenty of good flowers on their own grounds. Come on—old frosty pow!

The burning question among the wholesalers is—why should we be asked to send special and deliver free—a twenty-five cent bunch of flowers—ten miles. The free delivery system is badly abused and relief must come. They don't do it in other big cities. Here's something for the new regime in the Florists' Club to wrestle with.

"Progress in Floriculture" is the subject of a free lecture to florists, by Robert Craig, to be given under the auspices of the Henry F. Michell Co., Saturday, November 25th, 1911, at 3 P. M., at their newly appointed "Lecture Hall," located on their main floor at 518 Market street, Philadelphia. Mr. Craig's ability not only as a grower but also as an accomplished speaker is a guarantee of a pleasant and instructive afternoon.

About the first of December Frank W. Power, Sec'y. of the Oregon Horticultural Society contemplates opening a Horticultural Correspondence School in connection with his other work at Portland, Ore. Courses will be given in the following subjects and later on others will be added: Soils and their adaptability to different fruits; insect pests and their remedies; fungus diseases and their remedies; planting fruit trees, vines, etc; care and cultivation of the orchard; grading and packing fruit for the market; how to market the products of the orchard; pre-cooling of fruit before shipment; irrigation; budding and grafting in the nursery; fertilizers; salesmanship (a special course for nursery salesmen). Address 1206 Yeon St.

At the first meeting of the Pasadena (Cal.) Gardeners' Association held in September, the proposition to change the name of the Association to The Pasadena Horticultural Society, was unanimously adopted.

NEWS NOTES.

Kansas City, Mo.—Sam Murray, busily engaged in the annual task of tying Lorraine begonias, which are truly grand this year, found time last week to run over to Kinsely, Kansas, three hundred miles away, and execute with great success a \$1400 wedding decoration. Of course, Miss Hayden was on the job also. Undertakings of this kind are only passing incidents in the life of this busy young lady who stands in the first rank on floral work.

Portland, Ore.—Martin & Forbes write HORTICULTURE that they have built one house, 25 x 100, in addition to the four recently reported. This new range is on a 50-acre tract purchased last spring and will be devoted almost entirely to the growing of roses and carnations for their own retail trade. The old plant of 100,000 feet of glass will now be given over almost entirely to plant growing. The new plant will be added to as the demand grows.

Seed Trade

Mr. Grenell Will Not Retire.

In our issue of Oct. 21st, we stated under the head of "Seed Trade Notes" what we supposed was, and which we have since learned is a matter of general knowledge, that W. H. Grenell, had announced his intention of selling a large part of his seed stock, and accepting no contracts for the 1912 crop.

In a circular letter sent out by Mr. Grenell, he had stated this fact, after giving his various reasons for arriving at this decision. Now we have not the slightest intention of butting into Mr. Grenell's affairs or misrepresenting him in any way, but simply printed what we thought would be an item of general interest to the trade.

Mr. Grenell has written us protesting against the item we published, and saying that he has no intention of retiring from the seed-growing business, and that he intends to grow peas and beans on contract for 1912, the same as he has for the past thirty years or more. We are glad to give Mr. Grenell's denial of his intention to retire the same publicity we did the other statement, and while there may be an apparent inconsistency and contradiction in these statements, he can no doubt reconcile them and we wish him success, as heretofore, in his business.

The Advance in Pea Prices.

Just at the present time, there is very little of interest worthy of note in the trade. Nearly everyone is busy with bulbs and other fall requisites, and the seed end of the business has not received much attention for the coming year as yet. There is one matter, however, which will doubtless attract much attention in the near future and that is the contracting prices for peas for the crop of 1912. While so far as we know, no contracts have yet been booked, we are informed that prices will show a sharp advance over last year's, ranging from fifty cents to one dollar per bushel. Just how the trade will view this advance remains to be seen, but from the seed grower's point of view, it is inevitable and we are inclined to think that when the trade fully appreciates the difficulties which beset the seed grower, they will consider that the advanced prices are not unreasonable or unjustifiable.

For the past five years, the growers have suffered losses, varying from a few thousands of dollars to many thousands, and it is doubtful if any of them have made a dollar for an average of more than five years, but this is a matter that calls for special treatment and we shall no doubt have occasion to refer to it again in the near future.

The Bean Situation.

It may not be amiss to call attention to the rather odd fact that whereas peas have for the past three years as a seed crop been largely a failure, beans have been a fairly good crop, and though the delivery this year will fall considerably below estimates of a month or six weeks ago it will be owing to a wet harvest, which has caused serious damage to all bean crops not under cover. However, there

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For a limited time, we offer our surplus stocks of the celebrated

W-P Mushroom Spawn

the best English brick—made by the most expert mushroom growers in England—at reduced price, to

MAKE ROOM

for other crops now arriving. Regular price \$7.00 per 100 lbs. Until further notice special price:

\$6 per 100 lbs.

GEORGE C. WATSON

Dobson Bldg., 9th and Market St.

PHILADELPHIA

100,000 FORCING TOMATO PLANTS

In 2½ inch pots at \$20.00 per M in the following varieties: Comet, Sutton's, Winter Beauty, Sutton's Best Of All, Sutton's Abundance, Sutton's A 1.

Cabbage and Lettuce Plants in unlimited quantities and best market varieties.

FOX HALL FARM, NORFOLK, VA.

ONION SETS

HEADQUARTERS FOR THE EAST.

We carry large stocks of choice quality at both our Orange, Conn., and New York City houses. Full line all varieties of Garden and Flower Seeds. Trade List on application.

S. D. WOODRUFF & SONS,

Orange, Conn. 82 Day Street, New York City.

will be no famine prices as we have remarked before, excepting on a very small number of varieties, of which practically none were carried over from last year. For this reason it will be much easier to get acreage for beans, and there will be only a slight advance in growing prices over last year.

Seed Trade in New Zealand.

(From Vice Consul General Henry D. Baker, on Special Service in New Zealand.)

The seed business of New Zealand is of considerable importance, over \$600,000 worth of grass, clover, and other seeds being exported from the Dominion in 1910, and about \$500,000 imported. During the next few months the New Zealand seed market should possess an exceptional interest for American seed growers. Owing to the recent drought, seeds are now very scarce and are sold for prices about 40 per cent higher than a year ago.

Seed-Grain from Sweden.

Sweden is a country whose natural conditions are not as favorable as those of the more southern parts of Europe. The Swedish farmer has

A hundred-story office building is proposed for erection in New York City, to be over 1000 feet in height. A fifty story one is now being constructed two blocks from our office. These fine edifices are monuments to master minds of the present day. One thinks only of the height and magnificence of the building, but the principle part of such construction lies almost without regard—the foundation. Just think of the weight of a hundred story building—better still go to the top of a twenty story one to think about it. The average man has no conception of the immensity of the undertaking. The building is appreciated as an end without regard to the means. That's the way with lily bulbs. A grower appreciates an excellent crop of flowers, but he seldom considers that the foundation of his successful crop was carefully laid in Japan or in Bermuda by painstaking and patient bulb growers—men who love bulbs and their propagating. The best flowers always come from the best bulbs. Horseshoe Brand lily bulbs are the best you can buy anywhere in the world. There are none better grown. They are cultivated and exported to support the highest class of trade and to satisfy the most careless growers. There could be no surer foundation to success in lily growing than these bulbs, and you need them in your business. They are worth all they cost and more often more. Write us.



Ralph M. Ward & Co.

12 West Broadway

NEW YORK CITY

How Cheap
Buy How Good

to use all his skill to make the soil produce enough to get a benefit out of his work. The Swedish government has spent large sums for scientific research regarding soil improvement and particularly in the selection of the best grades of seed.

A little pamphlet, entitled "Svaloef" is sent out free of charge by Loechner & Co., 11 Warren street, New York, who have been appointed sole agents for the All. Svenska Utsaedes Aktiebolaget, Svaloef, Sweden, the distributors of this seed-grain, so famous in Europe, grown under government supervision.

Anybody interested should ask for a copy of the pamphlet, which certainly is interesting.

CUCUMBER LOSSES AT ROCKY FORD.

Editor HORTICULTURE: We noticed in a recent issue of HORTICULTURE, your remarks in relation to the cucumber crop and in connection with same, wish to advise that we have received notice from our growers at Rocky Ford, Colo., stating that they had a severe snow storm in the Arkansas Valley at Rocky Ford last Friday and that one-third of the cucumber crop was still in the fields. This may make a serious loss of the cucumber crops in that locality, especially if the cucumber become soft on account of the snow and cold weather followed by warm weather; also if the seed in the pits which have been harvested become chilled or frozen. The growers are guarding against loss all they can, but it is difficult to save the crops under the above conditions. Trusting this may be of interest to you, we remain

Yours truly,

WESTERN SEED & IRRIGATION CO.
Fremont, Neb., Oct. 25, 1911.

Notes.

Ralph M. Ward & Company announce that Mr. Ad. Goldenberg, a salesman, is no longer in their employ.

New Haven, Conn.—The Frank S. Platt Co., seedsmen, have opened a new store at 446 State street.

Hamilton, Ohio—Emil A. Kunz has purchased an interest in the Rothenbush seed and fruit store on High street. The business will now be known as the Rothenbush Fruit & Seed Co.

CATALOGUES RECEIVED.

W. Atlee Burpee, Philadelphia, Pa.—Choice New Sweet Peas for 1912.

F. & F. Nurseries, Springfield, N. J.—Fall Trade List, 1911.

Currie Bros. Co., Milwaukee, Wis.—Bulb and Plant List for Autumn, 1911. Illustrated.

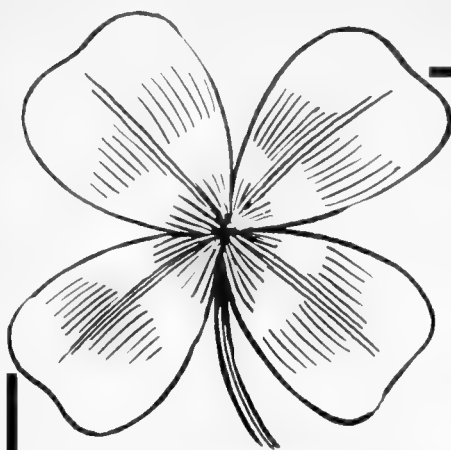
Winterson's Seed Store, Chicago, Ill.—Winterson's Garden Guide for Autumn, 1911. Illustrated.

United States Nursery Co., Roseacres, Miss.—A Wholesale List of Field-Grown Roses, Shrubbery, Perennials, etc.

Frederick Roemer, Quedlinburg, Germany.—Novelties in Flower Seeds for 1912. Antirrhinums, Asters, Petunias, Primulas, etc.

F. C. Heinemann, Erfurt, Germany.—Special Trade Offer of Novelties, 1912. Dianthus, Artimesias, Myosotis, etc.

Pape & Bergmann, Quedlinburg, Ger-



TRUE IRISH SHAMROCK

SOWN NOW

will be in excellent condition for
St. Patrick's Day

Only Fresh Seed Will Germinate

Fresh Crop Seeds Now Ready

Trade Packet, 25c. 75c. Per Ounce

HENRY F. MICHELL CO.
518 Market Street, - PHILADELPHIA

Oats

Barley

Wheat

Swedish Specialties

Grown Under Government Control by the

**ALL. SVENSKA UTSAEDES AKTIEB,
SVALOEF, SWEDEN**

Descriptive pamphlet, prices and samples on application

SOLE AGENTS:

Loechner & Co., 11 Warren St.
New York

Oats

Barley

Wheat

many.—Novelties for 1912. Begonias, Petunias, Gladioli, Chrysanthemums, etc.

Chas. H. Totty, Madison, N. J.—Advance Sheet of new Carnation Wodenethe. "The white you have been waiting for."

W. Atlee Burpee & Co., Phila., Pa.—Special Advance Prices for Market Gardeners. A very complete list of garden vegetables and sweet peas.

V. Lemoine et Fils, Nancy, France.—Autumn Catalogues 1911. This standard publication contains as usual descriptions of a number of interesting novelties.

P. J. Berckmans Co., Augusta, Ga.—General Nursery Catalogue 1911-1912. Has a beautiful illustration of Magnolia Soulangiana in colors on first cover page and Azalea indica, also in colors,

adorns the back cover. The book is freely illustrated.

B. H. Farr, Wyomissing, Pa.—Farr's Hardy Plants. This publication is as distinct as it is beautiful. The arrangement of the illustrations, the illustrations themselves, type, etc., are all distinctive and there are eight lovely full page pictures in colors of irises, peonies, poppies, etc.

The catalogue of Holland stock to be sold on Wednesday and Friday of next week by MacNiff & Co., 62 Vesey St., New York, is a big one and Mr. MacNiff says the consignment is the finest ever offered at auction in New York. Intending buyers should note that the sale will be held on Wednesday, 8th, instead of Tuesday, the latter being a holiday in New York.

KENTUCKY BLUE GRASS

Fancy New Crop

\$3.20 bu.

December Shipment

This special price
for a short time
only. Samples
sent on request.

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Wholesale Seedsmen

Baltimore, Md.

Farquhar's Flower Seeds for The Florist

Write for our Wholesale
Catalogue

R. & J. FARQUHAR & CO.
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Established 1820

**Thorburn's
Bulbs**

We offer high grade stock of the following
while unsold:

LILIUM HARRISII, 7-9 inches in circum.
at \$17.00 per case of 250 bulbs.
WHITE ROMAN HYACINTHS, 12-15
ctms., at \$18.00 per 1000.
PAPER WHITE GRANDIFLORUS NAR-
CISSUS, at \$8.00 per 1000.

Cash with order.

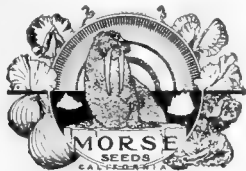
Only a limited supply left so speak
quickly.

J. M. THORBURN & CO.
33 Barclay Street
NEW YORK

PEAS, BEANS, RADISH } Write for Prices
and all Garden Seeds

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO Wholesale
SEED GROWERS AND DEALERS



Wholesale Growers of
Onion, Lettuce, Sweet Peas
and other California Specialties

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48 Jackson St. SAN FRANCISCO, CAL.

BRIDGEMAN'S SEED WAREHOUSE
RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

CANE STAKES

AMERICAN, bundle 500, \$3.00; 1000,
\$5.50.
BAMBOO from Japan, 100, 65c.; 1000,
\$5.50.

The W. W. Barnard Co.
108-110 W. Kinzie St., CHICAGO

Burpee's Seeds
PHILADELPHIA

Blue List of Wholesale Prices mailed
only to those who plant for profit.

SEEDS, PLANTS, BULBS

All seasonable kinds of best
quality

Special prices on large lots

JAMES VICK'S SONS,
Seedsmen
ROCHESTER N. Y.

COMPLETE STOCK FRENCH AND DUTCH BULBS

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

CHOICE BULBS

In great variety for present
planting—in-doors and out

THOMAS J. GREY CO.
32 South Market Street, Boston, Mass.

FRESH CROP ASPARAGUS PLUMOSUS NANUS SEED

(Greenhouse grown.) Due in December. We are
now booking orders for both greenhouse and outside
grown Asparagus Plumosus Seed. Write us.

S. S. SKIDELSKY & CO.
1215 Betz Bldg. Philadelphia



...THE...

J. C. Robinson Seed Co.
Waterloo, Neb.

Contract growers of Cucumber, Can-
taloupe, Watermelon, Squash and
Pumpkin Seed; Sugar, Flint and Field
Seed Corns.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

ONION SEED

We have a choice lot of new crop
Silver Skin or Portugal, also other
varieties. Write for prices.

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CHILLICOTHE . . . OHIO

COLDWELL LAWN MOWERS
Hand—Horse—Motor

Known All Over the World

Catalogue on Request.

NEWBURGH, N. Y.

PRINTING Fruitmen, Horticultur-
ists and Poultrymen
should get their print-
ing done by specialists. Write for prices
to THE REX CO., Harrisburg, Pa.

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

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We ship to all points in Illinois and Iowa.

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Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

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96 Yonge St., - - Toronto, Ont.

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WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

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Members Florists' Telegraph Assn.

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

Warren, Ohio.—The retail store of
Adgate & Son has been moved from
560-566 Pine street to Market street.

Easton, Pa.—The florist store of
Chas. Buening has been moved from
47 Center square to Market square.

Winchendon, Mass.—Wm. W. Rhu-
land has given up his Riverside green-
houses and taken a store at 45 Grove
street.

Milwaukee, Wis.—J. Fox & Sons,
414 Milwaukee avenue, have moved
into a new store corner of Milwaukee
and Mason streets.

Malden, Mass.—E. D. Kaulback, of
E. D. Kaulback & Sons, florists, 227
Pleasant street, has purchased the
property at 112-120 Pleasant street.

Germantown, Philadelphia, Pa.—
A new store at Germantown avenue
and 13th street was opened October
14 by Mrs. John R. Claus. This store
is two blocks beyond her old loca-
tion.

STEAMER DEPARTURES

Allan.

Numidian, Boston-Glasgow... Nov. 10

American.

St. Paul, N. Y.-S'hampton... Nov. 11

Cunard.

Lusitania, N. Y.-Liverpool... Nov. 8

Carpentia, N. Y.-Mediter'n... Nov. 9

Franconia, Boston-Liverpool... Nov. 14

Holland-America.

New Am't'd, N. Y.-R'trd'm... Nov. 7

Noordam, N. Y.-Rotterdam... Nov. 14

Hamburg-American.

Pres. Lincoln, N. Y.-Hamb'g... Nov. 11

North German Lloyd.

K'nip's Wilhelm, N. Y.-B'm'n... Nov. 7

P. Fr. Wilhelm, N. Y.-B'm'n... Nov. 9

Kronpr'n Cecilie, N. Y.-B'm'n... Nov. 14

Red Star.

Kroonland, N. Y.-Antwerp... Nov. 11

White Star.

Arabic, Boston-Liverpool... Nov. 7

Cedric, N. Y.-Liverpool... Nov. 9

Olympic, N. Y.-S'hampton... Nov. 11

Canopic, Boston-Mediter'n... Nov. 11

Greenwich, Conn.—The business of
McMillen & Co., florists, will be con-
tinued by Mrs. McMillen and Miss
Conner under the old firm name. Mr.
McMillen's death was reported in a
recent issue.

Elizabeth, N. J.—Andrew Wilson, of
the Wilson Plant Oil & Fertilizer Co.,
and John F. Martin have opened a
large retail store at 290 North Broad
street, which will be first-class in all
respects. It will be known as The
Orchid Shop.

M. Rice & Co. of Philadelphia, re-
port that the demand for baskets of
all kinds is greater this season than
for years past, being stimulated by
the general display made by the lead-
ing florists of filled baskets in their
windows, also special sales of filled
baskets are making a big hit wher-
ever shown.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any
part of the United States, Canada, and
all principal cities of Europe. Orders
transferred or intrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill

Cable Address, ALEXCONNELL

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Orders for Steamer, Theatre, Hotel, or
Residence Carefully Filled.

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DAVID CLARKE'S SONS

Deliver orders from any part of the country to

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Or OUT-GOING STEAMERS

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N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph and Cable address, Dardaspier

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points,
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

BUFFALO

S. A. ANDERSON

440 MAIN STREET

Special Deliveries Niagara Falls
and Lockport

THE ROSE

76 MAIDEN LANE

ALBANY, N. Y.

FLOWER DELIVERIES FOR ALBANY
AND VICINITY

"THE HOME OF FLOWERS"

The largest cut flower store in America.
Orders for the TWIN CITIES and for all
Northwestern points given prompt at-
tention.

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ST. PAUL, MINN.

**LOUISVILLE, KY.
JACOB SCHULZ,**
550 South Fourth Ave.

THE FLORISTS' SUPPLY HOUSE OF AMERICA

Offers You Superb, Exclusive Novelties This Season in Every Line. These Have Exceptional Value and Selling Merit. Tell Us What You are Interested in and at Same Time Ask for a Copy of

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H. BAYERSDORFER & CO.

1129 Arch Street,

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BOSTON, MASS.

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37-43 BROMFIELD STREET

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points to

THOS. F. GALVIN

124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN

1 Park St., Boston

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your retail orders to

EDWARD MACMULKIN

194 Boylston Street, Boston

Littlefield

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407 & 409 Main St.
Worcester, Mass.

H. F. A. Lange

WORCESTER, - MASS.

Delivers to all Points in New England.
125,000 square feet of glass

WELLESLEY COLLEGE

Dane Hall, Walnut Hill and Rockridge Hall
Schools. **TAILBY, Wellesley, Mass.**
Tel. Wellesley 44-1 and 2 Night 44-3

FOR RETAIL STORE TRADE
WE NOW OFFER

Asplenium Nidus Avis (Bird's Nest Fern), elegantly finished plants \$1.00, \$1.50 and \$2.00 each; the best plants we ever had, sure to sell when seen. Pandanus Veltchii, extra strong plants, \$1.00, \$1.50, \$2.00, \$2.50 and \$3.00 each.

J. A. PETERSON,

McHenry Ave., Westwood, Cincinnati, O.

NEW FLOWER STORES.

Chester, Pa.—George Hart.

Atlanta, Ga.—Mrs. Dolvin, 170 Peach-tree street.

Oil City, Pa.—M. J. Delahoyde and E. J. Delahoyde, Levi block.

Ridgewood, N. J.—Arthur K. Vesce-lius, 13 Ridgewood avenue.

Washington, D. C.—S. F. Holland, 18th street, near Columbia road.

Charleston, S. C.—Arcade Floral Shop, 303 King street, Frank W. Kummer, proprietor.

Buffalo, N. Y.—Theo. M. Clausins, 24 Grant street; George Patschke, 1020 Genesee street.

Wilkesbarre, Pa.—Cash Flower Store, South Main street, branch store of Ira G. Marvin, who has a store at 53 North Main street, with greenhouses at 53 North Main street.

Tullahoma, Tenn.—Wm. Brittain has purchased all the properties, orchards and nursery stock of the Tullahoma Nursery and Orchard Co., and will continue the business under the same name.

West Chester, Pa.—A flower store has been opened at 20 North High street by the new firm, Lorgus Co. Martin Lorgus, president; Geo. Achel is, vice-president; Rudolph Lorgus, treasurer; Martha G. Lear, secretary; Rudolph Lorgus, manager.

BOSTON NOTES.

A new flower shop is being built at 134 Massachusetts avenue for Charles Fine, formerly with "Fine the Florist," 202 Dartmouth street.

Mathew F. Ruane, 121 Moody street, Waltham, visited the flower market the past week for the first time since his accident. He is doing a good business at his store for so new a venture.

A temporary retail flower store has been opened, until after the holidays, at 169 Tremont street by A. Caplan, whose main store is at 144 Massachusetts avenue. This new venture is doing business under the name of the Flower Growers' Exchange and A. S. Caplan is manager; Arthur Robbins, buyer; H. Lerner, treasurer. Mr. Caplan entered the field in 1897, working for Henry Penn. His store on Massachusetts avenue has just had a new front put in and a fine delivery wagon has been added to the equipment.

IN BANKRUPTCY.

Boston, Mass.—George G. Solomon, florist, in Houghton & Dutton's. Liabilities, \$12,106; assets, \$1,062.

DETROIT NOTES.

Chas. Greening of Munroe, Mich., is at Harper Hospital for an operation for appendicitis.

Harry Rackham has opened his new store on Woodward avenue. Having passed all his life in the florist business he has become well acquainted with the many expenses connected with the retailing of flowers and is therefore a most welcome competitor in the local field.

A colonial archway leads into a well-ventilated conservatory with centre-bench and side benches. The walls are covered with tuffa. There is a very light and well ventilated workroom, 11x42. The rear part is a two-story building containing room for two outos and sleeping quarters and storage rooms upstairs.

After many weeks of tedious waiting B. Schroeter has finally the satisfaction to occupy his new store. The store is 30x36 with a white brick front, two windows with platforms of small white enamel tiles. To the right is an icebox 12x10 and 4 feet deep, while to the left is a cosy place furnished with brown reed furniture and adjoining is the counter and an enclosed private office. **FRANK DANZER.**

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Albany, N. Y.—The Rosery, 76 Maiden Lane.

Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edw. MacMulkin, 194 Boylston St.

Boston—Penn. the Florist, 37-43 Bromfield St.

Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.

Buffalo, N. Y.—Palmer's 304 Main St.
Buffalo, N. Y.—S. A. Anderson, 440 Main St.

Chicago—Williams J. Smyth, Michigan Ave. and 31st St.

Denver, Col.—Park Floral Co., 1643 R'way
Detroit, Mich.—J. Breitmeyer's Sons, Main and Gratiot Aves.

Kansas City, Mo.—Samuel Murray, 912 Grand Ave.

Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.

Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.

New York—David Clarke's Sons, 2129 141 Broadway.

New York—Alex. McConnell, 611 5th Ave.
New York—W. H. Long, 412 Chambers Ave.

New York—Young & Nugent, 42 W. 28th St.
New York—Dards, N. E. Cor. 40th St. and Madison Ave.

St. Paul, Minn.—Holm & Olsen
Portland, Ore.—J. H. Dyer, 1000 G. Young St.

Washington, D. C.—Gude Bros., 1214 F St.

Wellesley, Mass.—Tailby
Worcester, Mass.—H. F. A. Lange
Worcester, Mass.—H. F. A. Lange

CHRYSANTHEMUMS

\$8.00-\$25.00 per 100

All varieties in season. Splendid value in all grades.

POMPONS

\$3.00-\$5.00 per dozen bunches

A large assortment of colors and varieties.

Cattleyas, per doz., \$6.00**The Leo Niessen Co.**

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12th and Race Sts., **PHILADELPHIA****To Cut Flower Growers and
Retail Florists****IF YOU**want to find a market for your
productwant a regular or special supply
of the product of the best
growersConsult the Advertisements on
these Wholesale Flower PagesThe Advertisers Represented Here are the Leading
Concerns in the Wholesale Flower Trade**THE BEST LETTERS**FOR
FLORIST'S
USE**R**THOSE
MADE
BY THE**Boston Florist Letter Co**

66 PEARL ST., BOSTON

N. F. McCarthy, Mgr.

Order direct or buy from your local
supply dealer. Insist on having the**BOSTON**Inscriptions, Emblems, etc. Always
in Stock.**CUT FLOWER BOXES****EDWARDS FOLDING BOX CO**
MANUFACTURERS
PHILADELPHIA, PA.**PETER REINBERG
WHOLESALE
CUT FLOWERS**

37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

George B. HartWHOLESALE
FLORIST

24 Stone St., Rochester, N.Y.

The J. M. McCullough's Sons Co.

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CONSIGNMENTS SOLICITEDSpecial attention to shipping orders.
Jobbers of Florists' Supplies, Seeds and Bulbs.
Price list on application.

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ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS**BEST PRODUCED**

228 Devonshire Street,

Boston, Mass.

**WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100
TO DEALERS ONLY**

ROSES	BOSTON Nov. 2	CHICAGO Oct. 17	ST. LOUIS Oct. 31	PHILA. Oct. 24
Ara. Beauty, Fancy and Special..	15.00 to 25.00	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00
" Extra.....	8.00 to 12.00	15.00 to 20.00	10.00 to 15.00	12.50 to 15.00
" No. 1.....	4.00 to 6.00	10.00 to 12.00	8.00 to 10.00	8.00 to 10.00
" Lower grades.....	1.00 to 3.00	4.00 to 8.00	4.00 to 6.00	2.00 to 6.00
Richmond, Chatenay, Fancy & Spl..	3.00 to 6.00	6.00 to 8.00	6.00 to 8.00	6.00 to 10.00
" Lower grades.....	.50 to 2.00	3.00 to 5.00	2.00 to 4.00	2.00 to 5.00
Killarney, Maryland, Fan. & Spl..	3.00 to 6.00	6.00 to 8.00	6.00 to 8.00	5.00 to 8.00
" Low. grades.....	.50 to 2.00	3.00 to 5.00	2.00 to 4.00	2.00 to 4.00
Reinde 'Maid.....	.50 to 5.00	3.00 to 6.00	4.00 to 6.00	2.00 to 6.00
Taft, Hillingdon.....	5.00 to 8.00	3.00 to 6.00	..... to	4.00 to 10.00
CARNATIONS, First Quality..	1.00 to 1.50	3.00 to 4.00	3.00 to 4.00	2.00 to 3.00
" Ordinary.....	.50 to .75	1.50 to 2.00	1.00 to 2.00	1.00 to 2.00
MISCELLANEOUS				
Cattleyas.....	25.00 to 35.00	40.00 to 50.00	50.00 to 60.00	25.00 to 35.00
Lilies, Longiflorum.....	6.00 to 8.00	..... to 10.00	10.00 to 12.50	8.00 to 10.00
Lily of the Valley.....	2.00 to 3.00	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00
Chrysanthemums.....	4.00 to 12.00	12.00 to 25.00	10.00 to 25.00	5.00 to 25.00
Violets.....	.25 to .75	.50 to .75	.25 to .40	.25 to .75
Sweet Peas.....	8.00 to 25.00	..... to .....	..... to .....	.35 to .75
Gardenias.....	..... to 25.00	..... to .....	..... to	12.00 to 25.00
Adiantum.....	1.00 to 1.50	..... to 1.00	1.00 to 1.25	..... to 1.00
Smilax.....	12.00 to 15.00	12.00 to 18.00	12.50 to 15.00	12.50 to 20.00
Asparagus Plumosus, strings (100)	..... to 50.00	50.00 to 60.00	35.00 to 50.00	..... to 50.00
" " & Spren. (100 bchs)	10.00 to 35.00	30.00 to 50.00	20.00 to 30.00	35.00 to 50.00

J.A. BUDLONG

82-84-86 E. Randolph St., Chicago

**OUR STOCK IS A-1 AND IT IS QUALITY NOT
PRICES THAT TALKS****Chicago Flower Growers' Association**

Wholesale Growers of Cut Flowers and Plants

176 N. MICHIGAN AVE., BETWEEN RANDOLPH
AND LAKE STREETS, **CHICAGO****HENRY M. ROBINSON & CO.**15 Province St., 9 Chapman Pl.,
BOSTON, MASS.

Everything in Flowers

Complete Stock of Florists' Greens,

Three Floors of Florists' Supplies.

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Simple methods of correct accounting
especially adapted for florists' use.

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Telephone, Main 58

Flower Market Reports

BOSTON Business in Boston is "on the blink." Indeed, the wholesale market is experiencing the worst slump they have had for a long time. Chrysanthemums are a veritable avalanche and are partly responsible for the present sluggish conditions. They are magnificent as to quality but the sales are very closely limited to the medium grades. Carnations are also of excellent quality but are being received in unwieldy quantities, the whites having the best of the call. Roses are unloaded with difficulty, especially the older varieties. The newer sorts, such as Lady Hillingdon, Taft and Mrs. Ward are enjoying the lion's share of such demand as exists. Orchids are suffering with the rest. Cattleyas are moving slowly and oncidiums which are of superb quality stay in wholesalers' hands. Lilies and Lily of the valley are also in the dumps. Violets are poor in quality and thus far have had little appreciation in this market.

BUFFALO Flowers of all kinds were plentiful the past week and high prices were out of the question. Cold weather was looked for and was had though it did not check the heavy supply. The recent frosts have cut the outdoor stock out entirely but heavy receipts in ordinary chrysanthemums have blocked the market. Some select stock is now had and have sold satisfactorily. Carnations, roses, violets, lily of the valley and everything is had in plentiful supply. Asparagus, adiantum and all other greens also in good supply.

CHICAGO Last week emphasized the change that has come over the market during the past month. If the first part of October was not equal in volume of trade to that of some other years the closing week has changed the totals and both home and shipping trade were excellent. Customers no longer made their own prices, but promptly secured the stock and were glad to get it at a fair valuation. Medium and poor stock had been a little hard to move, especially in chrysanthemums, of which there has been so far an unusual proportion of stock that tends to keep down prices, but was nearly all cleaned up Saturday and Sunday. The southern orders took away many of the larger chrysanthemums, as All Souls' Day usually does, and left the home market in good shape for the new week. The early chrysanthemums are about gone and the later ones are in a little earlier than usual. Pompons are getting more plentiful and a good supply of Zenobia is seen. The demand for cattleyas is reported as a little slow. Roses of all kinds are moving promptly and the scarcity of short stock is noticeable, the standard varieties still having the preference. Carnations are especially fine and the most fastidious buyer could ask for nothing better. Lily of the valley is good and the supply keeps up to the demand. Excellent green of all kinds to be had.

The market during the past fortnight has been marked by a gradual accumulation of white roses and longiflorum lilies and a heavy glut of Estelle chrysanthemums. By



The P/M Ribbons

For many years have been acknowledged leaders both in style and quality; each season we have added new creations more beautiful than the last aiming always to have a ribbon of pleasing and harmonizing shades for each novelty as it is introduced, whether it be a rose, carnation or sweet pea. It matters not "A ribbon for every flower, old and new," is our slogan. This season is no exception to this, our custom. We having added many new and beautiful shades that cannot be found elsewhere. Customers re-ordering time after time, demonstrates to us that the P/M quality ribbons are and must be by far the best. Samples and prices for the asking.

AMERICAN BEAUTY

A sample illustration from our general Catalogue of Ribbons and Supplies. Pattern American Beauty or No. 1614. Quality far superior to the many imitations offered. No. 40 width, \$2.00 per piece of 10 yds; No. 80 width, \$2.75 per piece of 10 yds.

Florists' Supplies and Other Novelties

Distributing Agents for the great new Roses for 1912

Double White Killarney and Killarney Queen

(The Budlong Strain)

Grafted, \$250.00 per 1000. Own Root, \$200.00 per 1000.

BOXWOOD SPRAYS

New crop. Fresh and glossy. No surplus wood. 50 pound crates, \$15.00 per 100 lbs.

S. S. PENNOCK-MEEHAN CO.

THE WHOLESALE FLORISTS OF PHILADELPHIA

NEW YORK 109 W. 28th Street PHILADELPHIA 1608-1620 Ludlow Street WASHINGTON 1212 New York Ave.

WHOLESALE FLOWER MARKETS.—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
	Oct. 3		Oct. 24		Oct. 24		Oct. 31	
Am. Beauty, Fan. and Sp.....	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00	.....	to 25.00
" Extra.....	15.00	to 20.00	15.00	to 20.00	15.00	to 20.00	.....	to 20.00
" No. 1.....	10.00	to 15.00	10.00	to 15.00	8.00	to 10.00	.....	to 15.00
" Lower grades.....	4.00	to 10.00	7.00	to 10.00	3.00	to 4.00	.....	to 10.00
Richmond, Chateaux, Fan. & Spl...	0.00	to 5.00	0.00	to 8.00	0.00	to 8.00	.....	to 8.00
" Lower Grades.....	3.00	to 5.00	3.00	to 6.00	2.00	to 4.00	.....	to 4.00
Killarney, Maryland, Fan. & Spl...	3.00	to 10.00	3.00	to 8.00	6.00	to 7.00	.....	to 8.00
" Low. Grades.....	2.00	to 5.00	1.00	to 6.00	2.00	to 4.00	.....	to 4.00
Riviera "Maid".....	3.00	to 6.00	0.00	to 8.00	3.00	to 6.00	.....	to 6.00
Taft, Hillingdon.....	.....	.....	3.00	to 6.00	5.00	to 8.00	.....	to 8.00
CARNATIONS, First Quality.....	1.50	to 2.00	2.50	to 3.00	2.00	to 2.50	1.50	to 3.00
Ordinary.....	.75	to 1.00	1.00	to 2.00	1.00	to 1.50	1.00	to 1.50
MISCELLANEOUS								
Cattleyas.....	30.00	to 50.00	.....	to 50.00	50.00	to 60.00	.....	to 60.00
Lilies, Longiflorum.....	10.00	to 12.00	.....	to 15.00	10.00	to 12.00	.....	to 12.00
Lily of the valley.....	3.00	to 4.00	1.00	to 4.00	3.00	to 4.00	.....	to 4.00
Chrysanthemums.....	.....	.....	.....	to 25.00	4.00	to 20.00	.....	to 25.00
Violets.....	.....	.....	.....	to 75	50	to 75	.....	to 50
Sweet Peas.....	.....	.....	.....	to 1.00	.....	to 1.00	.....	to 1.00
Gardenias.....	.....	.....	.....	to 1.00	.....	to 1.00	.....	to 1.00
Adiantum.....	.....	1.00	.....	to 1.50	75	to 1.50	.....	to 1.25
Smilax.....	10.00	to 12.00	12	to 15.00	.....	to 15.00	15.00	to 20.00
Asparagus Plumosus, strings (100)	40.00	to 60.00	12	to 25.00	40.00	to 50.00	.....	to 50.00
" " & Spreu. (100 bchs.)	20.00	to 30.00	1.00	to 25.00	25.00	to 35.00	3.00	to 40.00

the time this is from the press the last will be entirely over, while the first may be over if there should be much colder weather or a very increased demand for same, or a great tightening effect in the wholesale houses. The general average business has been good and is getting better. Prices are slowly returning to their levels. The start of this week failed

to start with its accustomed rush. The American Beauty cut is letting a somewhat and consequently they sell in a hurry each day. Pink roses, too, clean up nicely. Most all the cuttings are of good quality and have a very long fine stem for this time of the year. Carnations are very much in demand and at the end of last week

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Successor to
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FINE ROSES. FANCY CARNATIONS
A Full Line of All CUT FLOWERS.
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in the Wholesale Flower District

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Fresh Cut Evergreens, Mosses,
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Preserved and Fresh Cut
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122 West 25th St., New York
Florists' Supplies
We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
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A full line of Choice Cut Flower Stock for all purposes. LARGEST GROWERS
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THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES AND CARNATIONS
JAMES McMANUS Tel. 759 55 W. 28th St., New York
Mad. Sq.

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week endling Oct. 28 1911		First Half of Week beginning Oct. 30 1911	
American Beauty, Fancy and Special.....	15.00	to 35.00	15.00	to 35.00
" " Extra.....	8.00	to 15.00	8.00	to 15.00
" " No. 1.....	4.00	to 8.00	4.00	to 8.00
" " Lower Grades.....	1.00	to 3.00	1.00	to 3.00
Richmond, Chateaux, Extra and Special.....	2.00	to 8.00	2.00	to 8.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Killarney, My Maryland, Extra and Special.....	2.00	to 6.00	2.00	to 6.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Bride 's Maid.....	.50	to 4.00	.50	to 4.00
Taft, Hillingdon.....	2.00	to 8.00	2.00	to 8.00
Carnations, First Quality.....	1.50	to 2.00	1.50	to 2.00
" " Ordinary.....	1.00	to 1.50	1.00	to 1.50

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WHOLESALE FLORISTS
Choice Cut Flowers
CONSIGNMENTS SOLICITED
54 West 28th St., NEW YORK
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Wholesale Florist
55-57 West 26th St., NEW YORK
Shipments, any quantity, Whole-
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 Consignments Solicited
Hardy Fancy Fern Our Specialty
 38-40 BROADWAY, DETROIT, MICH

WILLIAM H. KUEBLER
 Brooklyn's Foremost and Best
WHOLESALE COMMISSION HOUSE
 A First Class Market for all CUT FLOWERS
 28 Willoughby St., Brooklyn, N. Y.
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WILLIAM F. KASTING Co.
Wholesale Florists
 383-387 ELLICOTT ST. - - BUFFALO, N. Y.

Flower Market Reports.

(Continued from page 641)

and beginning of this showed tendencies to run short. The red are now showing their good colors and the Rose Pink Enchantress has its cold weather hue. Most of the offerings are now long-stemmed. Chrysanthemums of course are the blooms that are in demand. The varieties with good well formed flowers have little trouble in finding a market. The demand for lily of the valley and orchids has slackened a little, while all violets both double and single sell well. Boxwood has been added to the green goods line and new galax will be here within a week.

NEW YORK The situation has been quite unsatisfactory here, from the viewpoint of the grower and wholesale dealer for the past two weeks. There is a heavy influx of chrysanthemums and other staples which coming upon a low-spirited market has had a very depressing effect on values. Sales have lagged and where large quantities are concerned have been effected only at a considerable sacrifice on price. All the mid-season and many of the late chrysanthemums are on the regular daily list now. Robinson, Taft and other large flowered sorts are apparently less popular with the buyer than the old standard commercial variety, Ivory. Lilies are selling very low. Roses are very abundant. Colder weather is needed.

PHILADELPHIA Last week started out in much better shape owing to clear weather, less baseball and more football, the latter being a help to the flower business and the former a detriment. Plenty of stock all along the line, particularly roses, carnations, and chrysanthemums. We are getting the last of the early chrysanthemums and are starting on the mid-season varieties which meant a week of medium-class bloom with very few specimen flowers coming to the market; prices low, the poorer stock being sold at any figure that could be gotten and no reasonable offer refused. Quite a few pompons coming in with some beautiful flowers in the spray varieties in pink, yellows and whites, including the pink and yellow Garza which are very beautiful indeed. These and the ordinary pompons are becoming more popular every year and will continue so as they are very valuable for all kinds of work, not only for vase work but in decorating effects. With the cooler weather carnations are still im-

proving, better stems and better quality. Prices are also improving but are ruling low. Roses are improving in quality, prices holding fairly good although low. The novelties, particularly Mrs. Taft, are selling well. This is a grand rose and bound to be a winner, providing it is a money-maker from the grower's standpoint. Gardenias are still scarce and the quality medium. The prospects are that they will be more plentiful and the quality better shortly. It is to be hoped so, anyway, as there is a good demand for them. The glut of cattleyas is somewhat over, the growers reporting a shortening up of crops which will have a tendency to stiffen the prices, and then too with a better demand, we should find the orchid market in much better shape. Lily of the valley is selling well, quality good. Greens are generally moving slowly; supply plentiful. Dahlias held on longer than usual this year; in fact, too long for the greenhouse men, as quantities of dahlias were moved after chrysanthemums became plentiful, thus cheapening the prices on all kinds of flowers. We believe it would have been better for the business if we had had frost a little earlier, although of course the dahlia man is expected to have his innings and this year has been a good one for him although prices have not been high at any time but immense quantities of dahlias were moved all over the country.

PROVIDENCE A general improved condition has been noticeable in the market during the past week and with an increase in the supply of stock there has also been a stiffening of prices, indicating a healthy condition of trade. The popular carnation is coming in good quantities and the quality is excellent. The quality of the chrysanthemums on the market is much better and in another week this flower will be at its height. Choice blooms are bringing \$12 to \$14 per 100 and the demand is very fair. Although not as plenty as they have

been, there is a fine crop of roses in the market, with the supply in excess of the demand. There are a lot of violets with a dull market at 50 cents

(Continued on page 648)

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Oct. 28 1911	First Half of Week beginning Oct 30 1911
Cattleyas.....	25.00 to 35.00	25.00 to 35.00
Lilies, Longiflorum.....	3.00 to 4.00	3.00 to 4.00
Lily of the Valley.....	1.00 to 2.00	1.00 to 2.00
Chrysanthemums.....	4.00 to 16.00	4.00 to 16.00
Violets.....	.15 to .40	.15 to .40
Gardenias.....	12.00 to 25.00	12.00 to 25.00
Adiantum.....	.50 to .75	.50 to .75
Smilax.....	6.00 to 8.00	6.00 to 8.00
Asparagus Plumosus, straggles.....	..... to 35.00	..... to 35.00
" " & Sown (too cheap).....	10.00 to 40.00	10.00 to 20.00

FLORISTS' HARDY SUPPLIES

Dagger and Fancy Ferns, Moss,
 Galax, Laurel Roping, Southern
 Smilax, Boxwood, Etc.

Hartford & McDonough
 70 PEMBERTON SQ., BOSTON

IN THE SWIM

*I must be in the swim,
 You might forget my name,
 And say that I am to blame,
 If you do not get the best.*

Christmas Trees, Spruce or Balsam, from one foot to thirty, in any quantity; Baled Spruce, Balsam, Hemlock Boughs, Laurel and Evergreen Festooling and Wreaths, Sphagnum Moss, Hardy Cut Fancy and Dagger Ferns. Yearly Contracts Made. Send for Price List and order your Christmas Trees now. **GET THE BEST.**

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GREEN GALAX and Leucothoe Sprays

Green Galax, \$3.50 per case of 10,000; 40¢ per 1000. All large sizes if preferred. A 1 stock only.

Green Leucothoe Sprays at lowest prices, according to lengths.

Terms: 2 per cent. off for cash in 10 days from date of invoice, or net 30 days.

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Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000... \$1.75; 50,000... \$7.50. Sample free.
 Per sale by dealers

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
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ACHYRANTHES

Achyranthes, rooted cuttings: Metallica, Lindenli, Warszewiczii, \$6.00 per 1000; P. de Bailey, \$10.00 per 1000; 2 in., \$2.50 per 100.

THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

AGERATUM

Ageratum, Stella Gurney, 2 in., Princess Pauline, 2 in., \$2.00 per 100.

THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

ALTERNANTHERAS.

Chas. H. Totty, Madison, N. J.
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Alternanthera, rooted cuttings, Aurea Nana, Brilliantissima, Paronychoides Major, \$5.00 per 1000.

THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

AMPELOPSIS

Ampelopsis Veitchii, 1-yr. plants, \$3.00 per 100; \$25.00 per 1000.
Wm. Eschrich Co., North Milwaukee, Wis.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

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Godfrey Aschmann, 1012 Ontario St., Philadelphia.

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Henry A. Dreer, Inc., Philadelphia, Pa.
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ASPARAGUS

A. N. Pierson, Inc., Cromwell, Conn.
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Asparagus plumosus seedlings, clumps, sprays and seeds. Write for prices. Peter Mack, Orlando, Fla.

Asparagus plumosus, strong 2 1/4-in., fine, cold frame grown stock, \$3.00 per 100; \$25.00 per 1000. C. Winterich, Cyclamen Specialist, Defiance, O.

Asparagus Sprengeri, extra strong healthy stock from 3 in. pots, \$2.50 per 100, cash. No better stock ever offered for the money. O. B. Kenrick, 52 Alexander Ave., Belmont, Mass.

Asparagus plumosus, 2 1/4-in. pots, \$3.00 per 100; \$25.00 per 1000. Asparagus Sprengeri, 2-in. pots, \$2.00 per 100; 4-in. pots, heavy, \$10.00 per 100.
Storrs & Harrison Co., Painesville, Ohio.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
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BAY TREES

A. Leuthy & Co., Roslindale, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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Bay Trees and Box Trees, all sizes
Write for special List
Julius Roehrs Co., Rutherford, N. J.

BEGONIAS

A. Leuthy & Co., Roslindale, Mass.
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Thomas Roland, Nahant, Mass.
Lorraine Begonias.

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BOILERS

Kroeschell Bros. Co., 466 Erie St., Chicago.
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BOXWOOD SPRAYS

Tree variety goods. Quality guaranteed. Write us your requirements. Jones, The Holly Wreath Man, Milton, Delaware.

BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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Julius Roehrs Co., Rutherford, N. J.
Box Trees all sizes. Ask for special list.

BONES—CUT FLOWER—FOLDING

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

BROAD-LEAVED EVERGREENS

Eastern Nurseries, Jamaica Plain, Mass.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.

French and Dutch Bulbs.

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Wholesale Catalogue.

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Horseshoe Brand.

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Fall Bulbs.

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Bulbs and Roots for Fall Planting.

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A. Henderson & Co., Chicago, Ill.
Late Dug Formosa

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CANNAS.

R. Vincent, Jr. & Sons Co., White Marsh, Md.

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THE IMPROVED CANNA.

We have a finer stock of these Improved Wintzer Wonder Cannas than ever before in our history. The price for new kinds is likely to be higher in the Spring because the demand justifies it and the supply is short. For other first class kinds prices reduced. Get our list before ordering. The Conard & Jones Co., West Grove, Pa.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
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Chicago Carnation Co., Joliet, Ill.

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Wood Bros., Fishkill, N. Y.

Field Grown Plants.

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300 Enchantress, \$5.00 per 100; 200 Wintzor, \$4.00 per 100. Field grown, best of stock. Bid on the lot. O. L. Baird, Dixon, Ill.

CARNATIONS—Continued

Carnation Plants—Field-grown, Enchantress, \$5.00 per 100; white and pink Lawson, \$4.00 per 100. Cash. M. J. Schaaf, Dansville, N. Y.

CARNATION STAPLE

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 2000 for \$1.00 post paid. I. L. Pillsbury, Galesburg, Ill.

CHRISTMAS TREES—BALED SPRUCE

H. J. Smith, Hinsdale, Mass.
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CHRYSANTHEMUMS

Elmer D. Smith, Adrian, Mich.
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Chrysanthemums, rooted cuttings, Monrovia, Polly Rose, \$12.00 per 100. Violets, Princess of Wales, \$8.00 per 100; \$50.00 per 1000. Chas. Lenker, Freeport, L. I., N. Y.

Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Now is the time for you to get a few of the much talked of and finest earliest white chrysanthemum, Smith's Advance, guaranteed true to name, 3 for \$1.00. Extra strong 2 in. plants, ready now, at \$1.25 per dozen, or \$10.00 per 100. Cash. Jos. F. Klimmer Est., 512 Dunlap Ave., Forest Park, Ill.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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COLEUS

Coleus, 2-in. rooted cuttings, Beckwith's Gem, Golden Bedder, \$6.00 per 1000; 2-in. Pöster, red and yellow, Beckwith's Gem, Golden Bedder, Verschafeltii, \$2.00 per 100.

THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

CYCLAMENS

Cyclamen—Best Varieties in different colors, 3 inch pots, strong plants, \$10.00 per 100, \$80.00 per 1000. Julius Roehrs Company, Rutherford, N. J.

CYCLAMEN GIGANTEUM SEED. Finest giants; in choicest mixtures, grand, 250 seeds, \$1.00; 1/2 pkt., 50c.; 1000 seeds, \$3.50. John F. Rupp, Shiremanstown, Pa.

Giant cyclamen, our own grown strain, selected from the very best and well built plants and flowers. Seed, \$1.00 per 100, \$6.00 per 1000; nearly all sold out. August seedlings, \$2.00 per 100; \$18.00 per 1000. Plants, well set with buds, 4-in., \$18.00 and \$25.00 per 100. Orders amounting to \$25.00, 10 per cent. off. Here is one of the many letters we received from satisfied customers: E. A. Butler & Son, Niagara Falls, N. Y., say, "The plants are excellent, the finest we have ever had and, if the seed this year is of the same quality, we will be perfectly satisfied." Our aim has been to and we have improved our strain every season. Cultural directions with every order. C. Winterich, Cyclamen Specialist, Defiance, O.

DAHLIAS

Herbert, Acto, N. J.

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R. Vincent, Jr. & Sons Co., White Marsh, Md.

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Henry A. Dreer, Inc., Philadelphia, Pa.
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Dahlia—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

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DAHLIAS—Continued

EAST BRIDGEWATER DAHLIA FARMS.
If you are looking for dahlia stock for your 1912 catalogue, send for Trade List to the Dahlia King, J. K. Alexander, East Bridgewater, Mass.

DAHLIAS NEW FOR 1911.

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williamstown Junction, N. J., Post Office, Berlin, N. J.

DAISIES

Double Daisies (Bellis), mixed, nice plants, \$1.25 per 500; \$2.00 per 1000. M. B. Saunders Co., 25 Burnett St., Providence, R. I.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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John Scott, Brooklyn, N. Y.
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DRACAENAS.

Dracaena indivisa, fine stock; 3-in., \$5.00 per 100; 4-in., \$7.00 per 100.
Sable Bros., Fredonia, N. Y.

DRACAENA INDIVISA.

Strong plants ready for 5 in. pots, \$10.00 per 100.
Vern L. Schluraff, Erie, Pa.

EVERGREENS

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Robert Craig Co., Philadelphia, Pa.
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Frank Ochslein, 4911 Quincy Street, Chicago.

Ferns for Dishes.

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Joseph Heacock, Wyncote, Pa.
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George A. Kuhl, Pekin, Ill.

Special Roosevelt Ferns.
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J. A. Peterson, Westwood, Cincinnati, O.
Asplenium nidus Avis and *Pandanus Veitchii*.
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Boston Ferns, 5 in., 6 in., 7 in. pots, \$3.00, \$6.00 and \$9.00 a dozen. Andrew P. Peterson, South Lincoln, Mass.

Anderson's ferns for in and outdoors.
Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

Boston Ferns—6-inch pots, 45c. each, \$40.00 per 100. Whitman Ferns, 4-inch, 20c. each, \$15.00 per 100; 5-inch, 30c. each, \$25.00 per 100; 6-inch, 45c. each, \$30.00 per 100; 7-inch, 60c. each, \$35.00 per 100; 8-inch, 75c. each, \$70.00 per 100. *Ficus Elastica*, 35c., 50c. and 75c. each. Cash please. Queen City Floral Co., Manchester, N. H.

FOR IMMEDIATE DELIVERY WE OFFER

Adiantum Farleyense, 2½ inch strong plants, \$12.50 per 100; 4 inch, \$40.00 per 100. This is a great bargain for stuff of quality (we need the room).

J. A. PETERSON,

McHenry Ave., Westwood, Cincinnati, O.

FERNS—Continued

Fern dish ferns. Heavy 2¼-in. pot plants, \$3.00 per 100; \$25.00 per 1000. Boston ferns, 5-in. pots, \$25.00 per 100; 6-in., \$40.00 per 100.

Storrs & Harrison Co., Painesville, Ohio.

FERTILIZERS

30th Century Plant Food Co., Beverly, Mass.
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Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.
Wizard Brand Cattle Manure.

The New Mineral Fertilizer Co.,
19 Exchange Place, Boston, Mass.

Hardwood ashes, best fertilizer on earth for lawns and gardens. George Stevens, Peterborough, Ont., Canada.

FEVERFEW

Feverfew. Rooted cuttings, \$2.00 per 100, or \$18.00 per 1000. Adolph E. E. Koch, Nohscot, Mass.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
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FLORISTS' LETTERS

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Peters & Reed Pottery Co., Zanesville, O.
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FORGET-ME-NOTS

Forget-me-nots, winter flowering, large clumps, to close out, \$1.00 per 100. Plants from seed bed, \$2.50 per 1000. Cash. M. B. Saunders Co., 25 Burnett St., Providence, R. I.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.
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Mt. Mitchell Decorative Evergreen Co., Harvard, N. C.
Green Galax and Leucothoe Sprays.
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GENISTAS

Genista racemosa, 6-in. pot plants, \$25.00 per 100.
Storrs & Harrison Co., Painesville, Ohio.

GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.
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Geraniums, standard varieties, 2¼-in., \$2.00 per 100. Ready now.
Sable Bros., Fredonia, N. Y.

Geraniums, S. A. Nutt 2 in., Rose 2 in., \$2.00 per 100.

THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

GLASS

Boston Plate & Window Glass Co., Boston.
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Standard Plate Glass Co., 26-30 Sudbury St., Boston.
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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.
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Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
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GNAPHALIUMS.

Gnaphalium Lanotum cuttings, 2 in., \$2.00 per 100.

THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

GOLD FISH

Gold fish, aquarium plants, snails, castles, globes, aquarium, fish foods, nets, etc., wholesale. Franklin Barrett, breeder, 4815 D. St., Philadelphia, Pa. Large breeding pairs for sale. Send for price lists.

GREENHOUSE BUILDING MATERIAL

A. T. Stearns Lumber Co., Neponset, Boston.
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S. Jacobs & Sons, 1359-63 Flushing Ave., Brooklyn, N. Y.

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Designer and Builder.
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Lord & Burnham,
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Hitchings & Co., 1170 Broadway, N. Y.

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HAIL INSURANCE

Florists' Hall Asso. of America.
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HARDY FERNS AND SUPPLIES

Michigan Cut Flower Exchange,
28 and 40 Broadway, Detroit, Mich.
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HEATING APPARATUS

Kroeschell Bros. Co., 466 Erie St., Chicago.
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Lord & Burnham Co.,
1133 Broadway, New York.

In writing to Advertisers kindly mention Horticulture

HELIOTROPE

Heliotrope, rooted cuttings, \$6.00 per 1000.
Heliotrope, 2 in., \$2.00 per 100.
THE GEO. WITBOLD CO.,
Edgebrook, Chicago, Ill.

HERBACEOUS PLANTS

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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New England Nurseries, Bedford, Mass.
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Boblink & Atkins, Rutherford, N. J.
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HEMEROCALLIS LILY

Fulva \$2.50 per 100. **C. S. Harrison's**
Select Nursery Co., York, Neb.

HOSE

H. A. Dreer, Philadelphia, Pa.

HOT-BED SASH

A. T. Stearns Lumber Co., Neponset, Mass.
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Lord & Burnham Co., 1133 Broadway, N. Y.

HYDRANGEAS

F. R. Pierson Co., Tarrytown-on-Hudson,
New York.
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Hydrangea Otakusa, fine pot grown stock,
4-in., 2 to 3 shoots, \$15.00 per 100; 5-in., 2
to 3 shoots, \$20.00 per 100; 6-in., 3 to 5
shoots, \$35.00 per 100.

Hydrangea Otakusa, field grown. Extra
specimens for large tubs, 12 to 15 shoots,
\$1.00 each.

Storrs & Harrison Co., Palmsville, Ohio.

INSECTICIDES

Eastern Chemical Co., Boston, Mass.
Imp. Soap Spray.
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Neotolcide kills all greenhouse pests.
P. B. Palethorpe Co., Owensboro, Ky.
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Stump & Walter Co., New York.
Kiln-dried Tobacco Dust.
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To-Bak-Ine Products.
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Wilson Plant Oil and Fertilizer Co.,
Elizabeth, N. J.
Wilson Plant Oil.
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Acme Nicotine Insecticides sold direct to
the grower. Acme 45 per cent. Liquid,
pint \$1.75; gallon \$12.50. Acme Fumigat-
ing Paper, case of 288 sheets \$5.50. Sample
can of 24 sheets 60 cents, postpaid. **J. P.**
Beermaker, 9 Washington Ave., St. Louis,
Mo.

IRISES.

Henry A. Dreer, Inc., Phila., Pa.
Imperial Japanese Iris
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IRIS. All of the leading varieties. **C. S.**
Harrison's Select Nursery Co., York, Neb.

IVIES

Ivy, German, 2 in., \$2.00 per 100.
THE GEO. WITBOLD CO.,
Edgebrook, Chicago, Ill.

JERUSALEM CHERRIES

JERUSALEM CHERRIES, pot grown,
strong and well fertilized plants, 4-in., \$10.00
per 100. Cash, please. **P. Schol, Worces-**
ter, Mass.

KENTIAS.

Robbink & Atkins, Rutherford, N. J.
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A. Leuthy & Co., Rosindale, Mass.
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LANDSCAPE GARDENING COURSE.

Home Correspondence School, Springfield,
Mass., Dept. 8.
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LANTANAS

Lantana Delicatissima, 2 in., \$2.00 per 100.
THE GEO. WITBOLD CO.,
Edgebrook, Chicago, Ill.

LAUREL

Laurel wreaths, roping and branches
furnished on short notice. **Jones, The**
Holly Wreath Man, Milton, Delaware.

LILAC

Rouen, 3 to 4 feet, six to fifteen branches,
an ideal hedge as it stands, \$10.00 per 100.
C. S. Harrison's Select Nursery Co., York,
Neb.

LILIUM HARRISH

F. R. Pierson Co., Tarrytown-on-Hudson,
N. Y.
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LILIUM MULTIFLORUM AND GIGAN-
TEUM

R. M. Ward & Co., New York, N. Y.
Horse Shoe Brand.
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MARGUERITES

Marguerites, white and yellow cuttings,
\$6.00 per 1000.
Marguerite plants, yellow, 2 in., \$2.00 per
100; \$18.00 per 1000.

THE GEO. WITBOLD CO.,
Edgebrook, Chicago, Ill.

MASTICA

F. O. Pierce Co., New York, N. Y.
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MATS FOR COLD FRAMES

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Large Evergreens, Deciduous Trees, Large
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Olmsted Bros., Brookline, Mass.
English Elms Wanted.
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TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

Manual of the Trees of North America,
by **C. S. Sargent**, mailed to your address
for \$6.00 by **Horticulture Publishing Co.,**
11 Hamilton Place, Boston.

ONION SEED.

Schlieder Bros., Chillicothe, O.
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ONION SETS

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Fresh Imported and Established Orchids.
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Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
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Orchids—largest stock in the country.
Stove plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.

Orchid Growers' Manual. By **B. S. Wil-**
liams, 300 illustrations, 800 pages; descrip-
tions of upwards of 2500 species and varie-
ties of orchidaceous plants, etc. The most
complete work on Orchids and orchid cul-
ture ever published. Price \$10.00. Orders
filled by **HORTICULTURE, 11 Hamilton**
Place, Boston.

Edward V. Low, late of Hugh Low &
Co., dissolved, Vale Bridge, Haywards
Heath, England. "White" Cattleyas and
Choice Cypripediums are leading features.

PALMS, ETC.

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PANDANUS.

Henry A. Dreer, Inc., Philadelphia, Pa.
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PANSIES

We offer seedlings of Giant Pansies,
mixed, *Calliopsis grandiflora* and Sweet
Williams at 35c, 100; \$2.75, 1000. **Russell**
Bros., Syracuse, N. Y., Route 4.

PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4;
2 in., \$3. Shipped flat, low freight rates.
Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
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Henry A. Dreer, Inc., Philadelphia, Pa.
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PEONIES—1200 sorts, an enormous stock
List ready. **C. Betacher, Canal Dover, O.**

"Fragrans," late dark pink, large divi-
sions, \$6.00 per 100, \$50.00 per 1000. **Chas.**
Lenker, Freeport, L. I., N. Y.

PEONIES. Send for our wholesale list.
C. S. Harrison's Select Nursery Co., York,
Neb.

PHLOX

Henry A. Dreer, Inc., Philadelphia, Pa.
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PHLOX. Field grown. **C. S. Harrison's**
Select Nursery Co., York, Neb.

PLANT STAKES

Seele's Tieless Plant Stakes and Trell-
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"Riverston Special."
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German Kall Works, Baltimore, Md.

POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp. \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

POULTRY AND FARM REVIEW.

The Rex Company, Harrisburg, Pa.
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PRINCESS PINE

Ground pine, guaranteed quality, delivery Nov. and Dec. Price \$8.00 per 100 lbs. Jones, the Holly Wreath Man, Milton, Del.

PRINTING.

The Rex Company, Harrisburg, Pa.
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PRIVET

California Privet, any quantity, size, age. Others say ours is the best grown. Write for prices; also on shrubbery, ornamentals, fruit trees, asparagus, etc. Franklin Davis Nursery Co., Baltimore, Md.

Half a million privet. Strong, heavy, well furnished stock, 18 to 24-in. \$15.00 per 1000; 2 to 3 ft., \$20.00 per 1000; 3 to 4 ft., \$25.00 per 1000. Dwarf and specimen evergreens, shrubbery and trees in all varieties.

AMERICAN NURSERY CO.,
Singer Bldg., New York, N. Y.

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Bobbink & Atkins, Rutherford, N. J.
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RHUBARB ROOTS

Mammoth Red rhubarb. Strong 1-yr. plants for forcing or growing on, \$2.50 per 100; 2-yr., extra large, \$6.00 per 100.

Wm. Eschrich Co., North Milwaukee, Wis.

RHUBARB ROOTS, extra large clumps for forcing, \$20.00 per 100; strong divided clumps for replanting, \$5.00 per 100. Best kind for the market; red stalks.
Stuls Seed Store, 544 W. 63rd St., Chicago.

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New Roses Originated by Jackson Dawson.

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RUBBER STAMPS, STENCILS.

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SALVIA

Salvia, rooted cuttings: Bonfire Zurich, \$6.00 per 1000.

THE GEO. WITBOLD CO.,
Edgebrook, Chicago, Ill.

SANSEVIERIAS

Sansevierias, 4 in., 20c each, \$2.25 doz.

THE GEO. WITBOLD CO.,
Edgebrook, Chicago, Ill.

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SHEET MOSS

The very best quality obtainable. For early orders we will offer inducing prices. Jones, The Holly Wreath Man, Milton, Delaware.

SOLANUM

Solanum Aculeatissimum, 8 in. strong plants, 50c each \$5.00 doz. Capsicum (Jerusalem Cherry), 5 in., \$2.00 doz., \$15.00 per 100; 6 in., \$3.00 doz.

THE GEO. WITBOLD CO.,
Edgebrook, Chicago, Ill.

SPHAGNUM MOSS

The W. W. Barnard Co., Chicago, Ill.

Joseph B. Townsend, Berlin, N. J.
Moss, Peat, etc.

H. J. Smith, Hinedale, Mass.
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Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

SPRAYERS

Chas. J. Jager Co., Boston, Mass.
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TRADESCANTIA

Tradescantia variegata (Wandering Jew), 2 in., 40c doz., \$3.00 per 100.

THE GEO. WITBOLD CO.,
Edgebrook, Chicago, Ill.

TREE RENOVATION

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Improved Ventilator Arm.
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VINCAS

Vincas, 4 in., \$2.00 per doz., \$15.00 per 100

THE GEO. WITBOLD CO.,
Edgebrook, Chicago, Ill.

Vinea variegata, field grown, strong plants, \$5.00 per 100; \$45.00 per 1000. Russell Bros., R. 4, Syracuse, N. Y.

WIREWORK

Reed & Keller, 122 W. 25th St., N. Y.
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J. Jansky, Boston, Mass.

Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.

William E. Hellacher's Wire Works, 33-40 Broadway, Detroit, Mich.

WOOD PRESERVATIVE

Conserve Wood Preservative doubles the life of all exposed lumber. Preserves benches, posts, sills or planking. Costs 2c a stick, and saves ten times its cost. Samuel Cabot, Inc., Mfg. Chemists, Boston, Mass.

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In writing to Advertisers kindly mention Horticulture

FOR "POT LUCK" TRY US..

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURER

Pearson Street,
LONG ISLAND CITY, N. Y.

WRITE FOR CATALOGUE AND DISCOUNT

A. H. HEWS & CO., Inc.

Main Office and Factories
CAMBRIDGE, MASS.

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October 23, 1911.

HORTICULTURE:

Since I put my adv. in HORTICULTURE I have had lots of business through your paper.

20TH CENTURY PLANT FOOD CO.
Beverly, Mass.

DREER'S "Riverton Special" Plant Tub



No.	Diam.	Each	Dox.	100
10	20 in.	\$1.45	\$16.00	\$130.00
20	18 in.	1.30	14.00	115.00
30	16 in.	1.00	11.25	92.00
40	14 in.	.65	7.00	56.00
50	12 in.	.45	5.00	40.00
60	10 in.	.38	4.00	32.00
70	8 in.	.30	3.50	28.00

Manufactured for us exclusively. The best tub ever introduced. The neatest, lightest and cheapest. Painted green, with electric welded hoops. The four largest sizes have drop handles.

HENRY A. DREER, Seeds, Plants, Bulbs and Supplies, 714 Chestnut Street, Philadelphia, Pa.

Flower Market Reports

(Continued from page 643)

per 100. There has been a good demand for green and decorative goods for Hallowe'en. A considerable quantity of mignonette was disposed of during the week at \$3 per 100.

The wholesalers say ST. LOUIS that last week was a good one with them and all fancy stock sold well. Plenty of stock is being consigned to this market, chrysanthemums being quite heavy at present and bringing a good price. Roses of all usual varieties are most plentiful. Carnations are somewhat scarce. Violets are looking better each day. The frost of the past week has killed off all outdoor stock—the retailers all say that the business has picked up greatly since the cold weather set in.

The decided change in the weather last week and the exceptional number of large weddings and funerals created a great boom locally. In addition to this several of the large department stores celebrated anniversaries and these called for large quantities of cut flowers. The frost of Thursday and Friday nights killed off a lot of the outdoor stock, much to the delight of those operating houses. Cosmos and dahlias will soon be memories and their going brings in the chrysanthemum, which, at this writing, is coming into the market in excellent shape. One local firm is cutting between two and four thousand blooms daily and are disposing of all they cut. All stock is very plentiful with the possible exception of carnations, which, however, are of fine quality. Orchids and gardenias are plentiful and the supply and demand are about equal. The northern violets are very good, indeed, and are being sold in larger quantities. Lily of the valley is going good and greens are also moving well. Roses are more plentiful and in better shape than they have been. Business has been very good and there has been little cause for complaint.

1000 READY PACKED CRATES

STANDARD FLOWER POTS AND BULB PANS

can be shipped at an hour's notice. Price per crate:

2000	1 1/4 in.	@	\$8.00	500	4 in.	@	\$4.50
1500	2 "	"	4.88	456	4 1/2 "	"	5.24
1500	2 1/4 "	"	5.25	320	5 "	"	4.51
1500	2 1/2 "	"	6.00	210	5 1/2 "	"	3.78
1000	3 "	"	5.00	144	6 "	"	3.16
800	3 1/4 "	"	5.80	120	7 "	"	4.20
				60	8 "	"	3.00

HILLFINGER BROS., Pottery, Fort Edward, N. Y.

August Rotker & Sons, 31 Barclay St., N. Y. City Agents.

OUR SPECIALTY—Long distance and export trade.

Syracuse Red Pots

"A little pot is soon hot," likewise a thin pot. This will save you fuel. Our pots are the thinnest and toughest owing to the superior quality of the clay.

New price list on application.

Syracuse Pottery Co., SYRACUSE, N. Y.

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts.,

Washington, D. C.



ALL THE CLAY FOR OUR Florist's Red Pots is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots, order from us. THE PETERS & REED POTTERY CO. Zanesville, Ohio

PATENTS

Trademarks and Copyrights

Send your business direct to Washington. Saves time and insures better service. Personal attention guaranteed. Twenty-five years' active service. SPECIALTY: Working on the Failures of Others.

SIGGERS & SIGGERS

PATENT LAWYERS

Box 9, National Union Building
Washington, D. C.

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Independence, Mo.—E. G. Bunyar, Walnut Hill greenhouses, two houses.

Owego, N. Y.—A. J. Thomas & Son, carnation house 18 x 40, a new office building and heating plant.

Germantown, Philadelphia, Pa.—Mrs. John R. Claus, Germantown avenue and 13th street, house 24 x 100.

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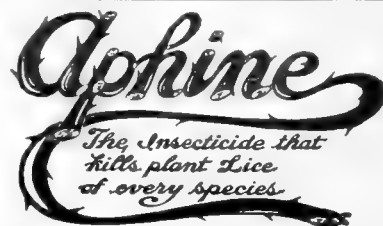
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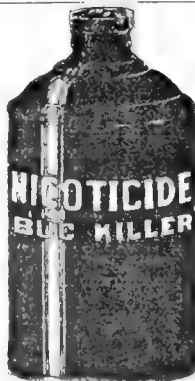
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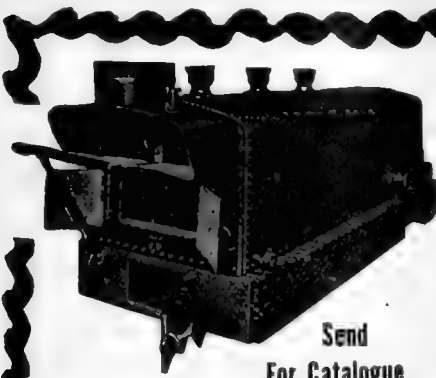
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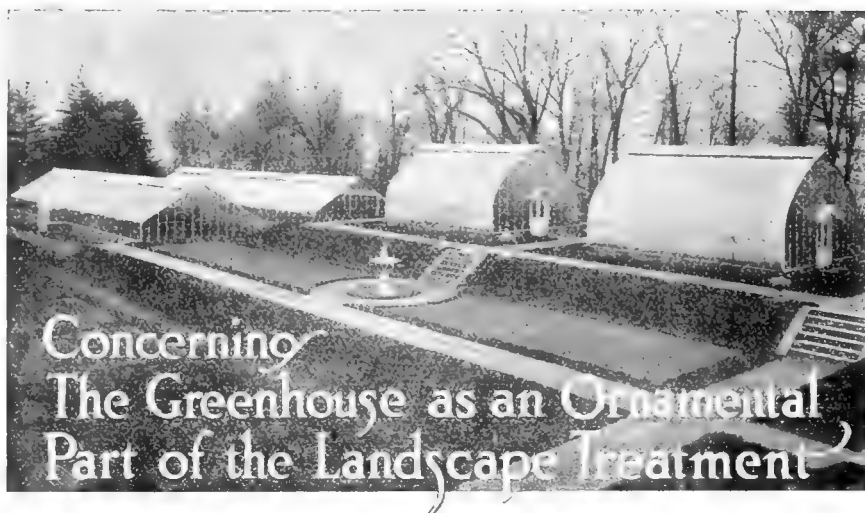
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NEW YORK

HORTICULTURE

Vol. XIV.

NOVEMBER 11, 1911

No. 20



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	100	1000
CALEDONIA. Bright orange, very beautiful	\$1.25	\$10.00
GESNERIANA INDOES. Beautiful yellow, with dark center	1.25	10.00
ELLEN WILLMOTT. Undoubtedly the finest May-flowering Tulip; flowers very large, color a rich deep yellow; soft creamy yellow; very beautiful	4.50	42.00
INGLESCOMBE SCARLET. Very brilliant scarlet, with black and white ground variety	1.75	16.00
INGLESCOMBE YELLOW. A large canary-colored flower, perfect form, glossy and very beautiful	5.75	55.00
PRIMROSE BEAUTY. Clear soft primrose, changing to white	3.00	28.00

Darwin Tulips (To Name)

Darwin Tulips are among the most varied and beautiful of all the late Tulips. Planted in the border they come into flower in late May and June. Flowers are large and borne upon tall, erect stems. Like the May-flowering Tulips they are indispensable for Decoration Day.

Ant. Roozen. Large flowering; rosy pink.

\$3.00 per 100; \$27.50 per 1000

Bronze Queen. Extra-large flower light yellow.

\$2.25 per 100; \$20.50 per 1000

Baronne de La Tonnaye. Clear rosy carmine.

\$1.50 per 100; \$14.00 per 1000

Dream. Soft lilac.

\$1.75 per 100; \$15.50 per 1000

GLOW. Brilliant growing vermilion, center blue, margined white.

\$1.80 per 100; \$17.00 per 1000

King Harold. Purple-red; very unique.

\$1.75 per 100; \$15.50 per 1000

Loveliness. Soft rosy carmine; exquisite color.

\$1.75 per 100; \$15.50 per 1000

Mrs. Krelage. Large flower, soft rose, margined bluish; very beautiful.

\$2.75 per 100; \$26.00 per 1000

Painted Lady. Creamy white.

\$1.75 per 100; \$15.00 per 1000

Pride of Haarlem. Rose with blue base; flowers of great size and fine form.

\$2.00 per 100; \$18.00 per 1000

Rev. Ewbank. Vivid heliotrope-lilac, slightly bordered.

\$2.50 per 100; \$22.00 per 1000

Darwins, Mixed. All colors, in splendid variety.

85c. per 100; \$7.50 per 1000



DARWIN TULIPS

SINGLE NAMED TULIPS

All First Size Flowering Bulbs Only

	100	1000
Artus. Dark scarlet	\$0.85	\$7.50
Belle Alliance. Scarlet; good bedder	1.65	15.50
Canary Bird. Beautiful late yellow	1.00	7.50
Chrysolara. Pure yellow; handsome flower	.85	6.50
Crimoisie Brillante. Bright scarlet	1.00	8.75
Crimson King. Bright crimson; showy bedder	.85	7.50
Due van Thol. Red and yellow	1.00	8.00
Due van Thol. Crimson	1.00	8.50
Due van Thol. White (maximise) true	.85	7.00
Due van Thol. Scarlet	1.25	12.00
Due van Thol. Rose	1.25	10.00
Due van Thol. Yellow	1.75	15.00
Duchesse de Parma. Orange red yellow shaded	1.00	8.75
Golden Queen. Very large yellow; fine globular form; the finest of its color	1.75	15.50
Joost van Vondel. Cherry-red, white-feathered	1.25	12.00
La Reine. White, slightly rose-shaded, good forcer and bedder	.85	7.50
La Reine. First size	.75	5.75

ARTHUR T. BODDINGTON, Seedsman, 342 West 14th St. NEW YORK CITY

Seasonable Notes on Culture of Florists' Stock

AZALEA MOLLIS

These plants are excellent for forcing all through the winter and every florist should grow a few as they have some very charming colors not seen in the evergreen ones. Pot them as soon as you receive them, give a good soaking of water at the roots, and store away in some coldframe and keep cool until they are wanted for forcing. They can be forced into blooming in 6 or 7 weeks if given a temperature of about 55 degrees at night with a rise of 15 degrees through the day with sunshine. Syringe freely and the plants will break away quickly. When the flowers are all nicely expanded they will last longer and be better for the customer if kept 10 or 15 degrees cooler. It does not pay to start too many together as they do not keep so long as the Indian azaleas.

GLADIOLI FOR FORCING

All the small-bulbed gladioli such as Colvillei The Bride, Peach Blossom, Crimson Queen, Mathilde, Blushing Bride and others that were started in September and grown in a cold frame, if not already removed to a cool greenhouse should be so treated now. They should stay there until after the first week in January when the boxes or flats will be well-filled with roots and a top growth started. Don't give them too high a temperature for it will only make them grow weak and spindly and the flowers will lack substance. Keep the temperature as near 50 degrees at night as possible as this is as high as they seem to care for. Some weak liquid manure about once a week will help the size of the flower. Some time during this month all the large-bulbed kinds such as America, Augusta, Mrs. Francis King, Shakespeare, Brechleyensis, and others can be planted in boxes which should be from 6 to 8 inches deep or they can be planted where the chrysanthemums have been. Planted anywhere from the last of this month until middle of December flowers will be ready to cut about the middle of March. It is better to make successive plantings about every two weeks thereby prolonging the season. They like a good rich compost, say about two-thirds of well-decayed sod and one-third well-rotted barnyard manure. Give them ten inches between the rows and four inches between the bulbs will be ample. Maintain a free circulation of air when possible.

LILIUM MULTIFLORUM AND GIGANTEUM

Pot these bulbs as soon as you get them as they don't gain anything by being left lying around and as Easter comes on April 7th next year it will take all their time to make roots and some hard forcing later on to have them on time. The pots generally used are 5 or 6-inch according to the size of the bulbs. Place them beneath a bench in a cool house where they will not get much drip, as that is sure to sodden and sour the soil. See that the soil is just kept moderately moist. In eight or ten weeks they will have made a few roots. These lilies want very little water until they have made some good roots, but when they have filled their pots with roots they will want an abundance of water. Give them a bench in a cool house when they have made a growth of a few inches. The giganteums that you want to retard for later should be placed in a cold frame and pro-

tected with sash until after the New Year and then removed to the cold frame as you have, with plenty of ventilation.

VERGEEERITES

Plants intended for Easter flowering should be pinched and started in the middle of December so as to have them nice and bushy. Plants that have their pots filled with roots will require a copious supply of water. If they are in 5-inch pots and well pot bound they should be repotted into 7 or 8-inch pots, using a rich compost of three parts loam to one part of broken up cow manure, with a good sprinkling of fine bone and a little soot. Be sure to pot them firmly. Grown on in a cool house with plenty of light, by spring they will be blooming freely and will make good salable Easter stock. Now is a good time to insert a batch of cuttings as these will make excellent stock when grown on up to a 5 or 6-inch for late spring flowering and especially for Memorial Day.

PREPARING LAND FOR NEXT YEAR

Every florist who has land in which to grow his stock should always make it an aim to restore to the soil some of the organic and mineral substances which have been taken away by previous crops. The first thing that suggests itself is manuring as an expedient in upholding its fertility. Now is a good time to give your land a liberal dressing of coarse barnyard manure and by plow or digging now instead of in the spring you will gain a whole lot in texture and fertility. This is about the only means of bringing heavy soils into proper condition for early planting. The freezing and thawing that it goes through during the winter makes it free from all acidity and soggy and leaves it in a finely pulverized form for final preparation in the spring. Give your crops a change from one piece of ground to another every year as the nourishing substances essential for one particular kind of plants differ from those needed by another. Some florists' establishments have quite a lot of land under cultivation so can reclaim their worn-out land by running it in grass crops for a few years when it will again be fit as tillable land. For those that have only a comparatively small parcel of land and cannot afford to let it lie idle for this time there is nothing better than subsoiling, the sub-soil plow following after an ordinary plow loosening the lower layer of soil and fairly well intermixing the two. Where the ground area is very limited there is nothing better than the more thorough going procedure of trenching, with a heavy coat of manure intermixed with the surface soil.

ROMAN HYACINTHS FOR CHRISTMAS

To have these bulbs in flower and in good shape for Christmas they should first of all have good roots with a top growth of two or three inches before they are brought into heat, otherwise they will be a failure. Give them a temperature of 50 degrees for the first ten days and 60 degrees up until the flowers are well opened, when they should expand their flowers full open in a house that is much cooler with plenty of fresh air. They should be allowed from 6 to 7 weeks to perfect themselves.

John J. M. Farrell

Mr. Farrell, 1000
Cathays; Ch. or glass
the Xmas bulb
CS. will be on the floor at 1000
12 divalves; 1000
for the winter

VOL. XIV

NOVEMBER 11, 1911

NO. 20

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A noble gift

Congratulations to Rochester on the opening of her splendid park conservatory. No municipal park system is adequately equipped without such structures. Where they have been supplied the interest displayed by the public and the throngs of people that frequent them on special floral show days ought to confound and silence any argument that could possibly be advanced for their exclusion. All honor to the benefactress who chose this utilitarian form of memorial instead of mediaeval stained glass windows and marble sculptures. Her example is worthy of emulation.

What the dahlia needs

We have all heard from time to time more or less disparagement of the dahlia as a desirable garden ornament. No doubt the criticisms are founded on grounds more or less substantial and valid but the perusal of a communication such as we give publicity to in another page of this paper is calculated to start new trains of thought and suggest inquiry as to whether it is the dahlia itself or its promoters and sponsors that are most to blame. The letter of Mr. Betscher from which we quote was a private one and we have quoted from it without permission, but we think it is the sort of talk which should have wide publicity and of which we have not nearly enough. We have heretofore urged in these columns, on behalf of the dahlia and its needs towards future popularity, that on the matters of color, form and size, for instance, we might well afford to let it stand where it is for a time, while we try to develop in it the qualities of more compact and less rampant growth, earlier and more abundant blooming and more upright flowers on taller and stiffer stalks. Put into the quest for these qualities the same amount of effort which has been expended on color and form of flower and it will not take long to move the dahlia away up towards the top of the list of garden favorites.

Enthusiasm

Among the essentials for success in any venture it is safe to say that no one qualification counts for more than enthusiasm. It has been said that "without enthusiasm the man's other good qualities are nearly lost." True as this is of an individual it is even more so of an association. This was deeply impressed upon us by the hearty zeal and confident self-reliance which characterized the meeting in Boston last Saturday in the interests of the Sweet Pea Society of America and the exhibition which is to be held in Boston next summer by that young organization and the Massachusetts Horticultural Society jointly. The optimism which prevailed was not of the "castles in the air" kind but was of the most substantial character and so infectious that every one present was filled with its ardor. George C. Watson, who only looked in on the meeting for a few moments on his way to Philadelphia was so imbued with its influence that he was impelled to write us in glowing words about the Great Power which seems now to be inspiring so many to work for the elevation and advancement of American horticulture. Mark the sweet pea demonstration of next July as destined to be an eye-opener as to what well-directed enthusiasm can accomplish. Then consider whether any club or society in which you are enrolled is lacking in that respect and get busy. There's no excuse for a decadent society in these days of inspiring horticultural outlook.

Fruit and Vegetables under Glass

CLEANING AND RENOVATING EARLY VINERIES

The early vinery for starting December 1st, the earliest practical date, should now be thoroughly cleaned and renovated ready to start away as December comes in. Pot vines are sometimes started through November, but this is early enough for any in borders. The leaves having fallen, prune the laterals back to two eyes; young canes not having filled their allotted space can have an extension of about three feet. A sharp knife is preferable to secateurs for pruning vines; a cleaner cut is made with less liability to bruise the wood. As a preventive against bleeding later on, dress all cuts with "styptic," a special preparation for the purpose obtainable from the seed stores. A little prevention is worth a lot of cure later on. A bleeding vine is one of the most unwelcome things one could have. Sometimes all efforts to staunch the wound prove futile. Have the whole house thoroughly washed down—glass, woodwork, walls, etc.; this helps to do away with any pests or diseases which may have been prevalent during the past season, as well as giving the house a clean appearance. Cleaning of the vines is a self-adjusting duty. If during the past season they were clean—no mealy bug, red spider, etc., little scraping of the rod and spurs is necessary; the hand rubbed around them to remove any loose bark will suffice. On the other hand if pests were prevalent every bit of loose bark should be removed, excavating the hiding pests and making it easier for the winter wash to do its work. Avoid scraping the vines down to the live tissues as that is very injurious; the vine in its natural state sheds its bark itself naturally. As will be seen by the foregoing notes the cleanliness of the vines during last year's growth will determine what the nature of the winter wash should be. If mealy bug, for instance, was troublesome use a strong insecticide taking care to keep it off the eyes while thoroughly working it into all the crevices and holes. As an ordinary preventive winter wash Gishurst's Compound is safe and effective. Rods can be washed more than once with this if thought necessary.

Any renovation of the border if not already done should be pushed on at once. Cow manure or other mulching must be carefully got off. If no surface roots are visible an inch or two of the top soil can be taken off and replaced with fresh loam. It is not wise to force a house so early if the border has to undergo any severe overhauling. Younger vines not having the soil extended to its limit can have an addition if they have filled up what they have with roots. This is similar to making a new border, which I will deal with in a later issue. Keep the house as cool as possible until time for starting; five or six degrees of frost will be beneficial to them, but do not allow it to enter the border. This winter cleaning I have treated at length as it applies to all vineries as their time comes and much of next year's success depends on it.

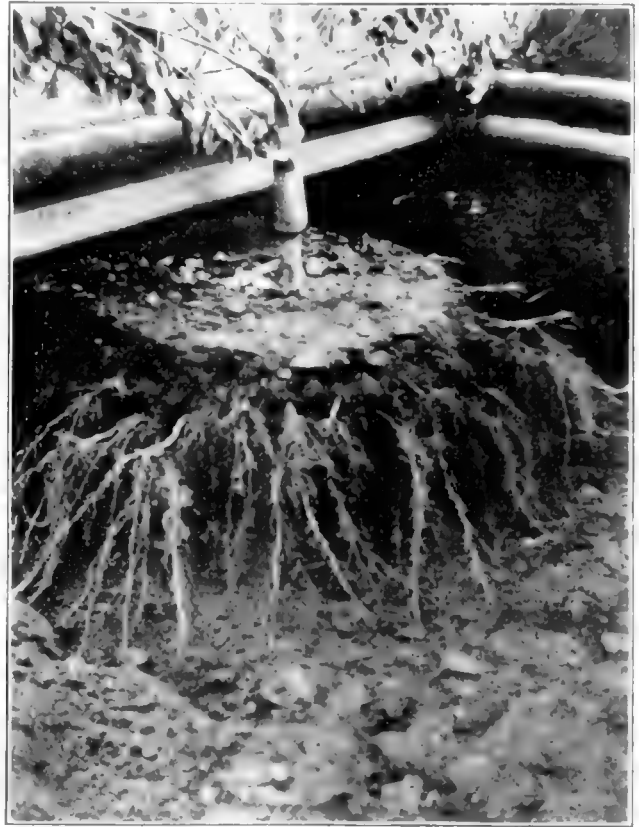
STRAWBERRIES FOR FORCING

Preparation must now be made for plunging the pots so as to prevent their bursting as the soil freezes up. If frames and sash can be started, or them, plunge them in these about one foot from the glass. Keep the sash off until very severe weather sets in. Should the frames be occupied with other stock make a temporary frame to keep the leaves from blowing about and some straw or other suitable material must be handy to cover them over in severe weather. See that the pots are kept

level and the soil pressed as tightly as possible in between and around the pots to leave no void spaces for the frost to work in. This also is applicable to pot vines. These are best kept in a room not below 12 degrees of frost, but the pots must be covered.

ROOT PRUNING ILLUSTRATED

In our issue of November 20, 1910, we were able to show a picture of a pear tree with a year's root growth exposed and the same pruned and ready to be covered with soil.



Above is a picture of one of the same trees, showing the result of root pruning. Notice the quantity of fibrous (feeding) roots, and the break where each strong root was cut back last year. This tree carried a good crop last summer and looks promising for the coming year.

FORCING RHUBARB

It may seem early for forcing rhubarb, but if the roots were lifted and subjected to a few frosts, there will be no difficulty in getting it in for Christmas. It seems essential that the roots should be in a dormant condition before starting. Make sure that several frosts have done this work before commencing. It will pay to furnish all cuttings of rhubarb with bottom heat. If some of the growing types do not do this make up some hot bed water with stable manure and bones in equal parts. Place the roots on these, cover over with loose soil, give a liberal supply of water while growing, and keep the temperature of about 60 degrees. Growth will be rapid and if the light is excluded (See B. & L. p. 683 for more details) the roots will be offering rhubarb roots for forcing.)

George H. Benson

HORTICULTURE

THE EXHIBITIONS

November 11, 1911

RED BANK, N. J.

That which is accomplished under most difficulties deserves highest praise and in this manner do we consider the 14th annual exhibition of the Monmouth County Horticultural Society held at the armory, Red Bank, Nov. 2nd and 3rd. In the first place one had to climb up a dark stairway to a very unattractive room. Then again there were many absent from the benches of this show who held prominent places there in other years. Therefore the entire thing depended on a few brave hearts and right nobly did they respond. Consequently we praise rather than criticize. It has been deeply impressed upon the minds of competitors at all the exhibitions in and around New York that a few men from New Jersey not only helped very considerably to make all the shows successful but also won many of the principal awards. We hope the next show given at Red Bank will be remarkable for the amount of outside competitors. They deserve it, and reciprocity in this manner will bear good fruit. The quality of blooms shown here were equal to and in many cases superior to those seen elsewhere. After the judging a mixed battalion of good-fellows escorted the judges, Messrs. William Duckham, Peter Duff and John Brunger to the Globe Hotel where a delightful dinner and conversation was indulged in. Bright indeed were the unset jewels of rhetoric that shone in that jolly crowd on all topics from pumpkin mother's pie to Jersey lighting politics. Charlie McTaggart being the only seedman present had to give a skil on seeds. A searching party was sent out for Al. Rickards who got his squad 'round some corner into some unknown cosey place. It's always a misfortune to miss 'Al.' There was very considerable fun on the alleys at Sheridan's and was sorry we had to leave it all there.

The Awards.

Chrysanthemums—Vase of 25 blooms, other foliage, arranged for effect: 1st, George H. Hale with a splendid lot of white flowers and sprays of *Primus Pissardi*; 2nd, Oliver McIntosh, 26 blooms, 6 var.; 1st, Wm. Turner, with Merstham's Blush, Mary Mason, Wells' Late Pink, Nellie Pockett, Cheltoni and Glenview, 2nd, Geo. H. Hale, 24 blooms, 24 var.; 1st, Wm. Turner whose wonderful set consisted of Onunda, Merza, W. Mease, Mrs. C. H. Totty, Beatrice May, Mrs. J. C. Dunne, Leslie Morrison, Lady Carnahan, Mrs. Stevens, Lemox, Gladys Blackburn, C. H. Totty, Mary Donnellan, Pockett's Crimson, Wm. Duckham, Nellie Pockett, Pres. Viger, Merstham's Blush, Mrs. D. Syme, Cheltoni, Glenview, Mary Mason, Rose Pockett and Mrs. H. Partridge. Geo. H. Hale was second, 18 blooms, 6 var.; 1st, James Kennedy, with Valls, Syme, Donnellan, Rose Pockett and Wells' Late Pink; 2nd, Frank Logan; 3rd, W. Doolittle, 12 blooms, 12 var.; 1st, Wm. Doolittle; 2nd, A. Bauer; 3rd, Frank Logan. In the six bloom classes, the winners of 1st were Jas. Kennedy, G. H. Hale, B. Wyckoff, Wm. Turner. The gold, silver and bronze medals for three blooms of William Turner were won by A. Bauer, Wm. Turner, B. Wyckoff respectively. Vase of singles varying 1st for G. H. Hale were the finest seen at any of the shows. W. W. Kennedy & Sons won a "special" for a remarkably fine collection of pompons and single varieties, as also did Thos. Moehan & Sons for *caesia dahlia*. D. McIntosh won a special for a vase of the blooms of Black Hawk chrysanthemums. For group of chrys. pompons and foliage plants the winners were H. Kettel, 1st, and J. Ken-

nedy, 2nd. Group of ornamental foliaged plants: Kettel, 1st. Wm. Dowlen won all the lush plant prizes with well-trailed specimens. Specimen foliage plant, Wm. Turner, with *Pandanus Sanderli*. Palm: W. Turner, H. Kettel. Carnations—H. Kettel, 1st, in crimson, white, light pink and any other color, with Harlowden, White Wonder, Enchantress and rose pink Enchantress, respectively; G. H. Hale 1st in scarlet, dark pink and 25 any variety, with Beacon, Mrs. C. W. Ward and White Perfection, respectively. Roses—A. Bauer 1st on American Beauty, Wm. Turner 1st on all others. Violets—G. H. Hale 1st, O. McIntosh 2nd. Grapes—Wm. Turner 1st, with Black Alicante and Lady Hutton; G. H. Hale, 2nd. O. McIntosh special for seedling apple.

J. IVERA DONLAN.

AMERICAN INSTITUTE.

The annual Chrysanthemum Show of the American Institute was held in their rooms at the Berkeley Lyceum, New York, on November 1st, 2nd and 3rd. It was as usual a very pleasing success. The classes were well arranged. The prizes, good solid cash in plentiful proportion, brought out both quality and novelty seen nowhere else. No such display of anemone chrysanthemums was seen at any other show, and then again the incurved and reflexed types were each provided for separately, thus bringing forward many otherwise neglected beauties and affording each a fair chance. Music and attendance and the ever infectious smile and witticisms of the manager, William Rickards, made all hands happy. Wm. Eagleson, the secretary, and his attendants deserve much credit for their courtesy and efficiency.

Awards.

For thirty flowers, thirty varieties, Geo. Middleton was 1st, Wm. Vert, 2nd. Twenty do. Middleton 1st and Robert Speirs 2nd. Twenty-five, one variety, W. Vert 1st with F. E. Nash and R. Speirs 2nd. On vases of long-stemmed flowers, 1st went to W. Dowlen for plume varieties, G. H. Hale for singles and for anemones, and C. D. Schaeffer for yellow, the variety being his new Ramapo. 2nd in these classes went to G. H. Hale, A. Wynne, J. S. Lyle and J. Devan, respectively. For twenty vases of pompons and ten vases of pompons, W. J. Sealey 1st, and C. H. Rice 2nd. J. W. Everett got a special for this class. In the classes for ten flowers, J. W. Everett was 1st on yellow and bronze, Wm. Turner on crimson, Alan Alexander on pink, J. T. Burns on white, George Middleton on ten varieties and W. Vert on ten varieties with 10 in stems. Mosses, Turner, Vert, Hale, E. McKenzie and Jos. Kennedy were 2nd in these classes. The 1st winners in the classes for six flowers were C. H. Totty, his seedling Mrs. E. Turner, leading in the "any other color class;" John Deryan, whose seedling No. 1 was the winner in pink, Wm. Turner, A. Alexander, Alex. Robertson, J. S. Lyle, W. Vert. In the anemone singles, Wm. Dowlen, J. S. Lyle and G. H. Hale were 1st.

On bush plants and standards Peter Duff carried four firsts, Wm. Turner one and W. Cordes two, the latter winning also on single stem plants. On group of flowering and foliage plants, 1st was won by Harry Turner with a very attractive display of well grown plants made dazzling by a grouping of his famous celosias. Lager & Hurrell captured 1st in the class for group of Orchids with a grand lot of choice gems and Julius Roehrs Co. got a special for display of specimen Orchids.

Geo. Middleton and J. D. Cockcroft 1st and J. T. Burns 2nd, was the result on carnations. C. H. Totty showed a vase of his great white *Wodenrothe*. The winning exhibit in the rose classes were L. A. Noe's Beauties White and Pink Killarney, C. H. Totty's Radiance and Sunburst. Totty showed a vase of Rose Queen, not for competition. Max Schneider and H. Turner, 1st and 2nd on violets. Chas. Webber 1st on specimen palm and ferns.

EXHIBITION AT STAMFORD, CONN.

The first annual exhibition of the Westchester and Fairfield Horticultural Society held in the Casino at Stamford, Conn., on Nov. 3rd and 4th was a great success in every way. This young, vigorous society has certainly done wonderfully well. The exhibits on this occasion came largely from the magnificent establishments of the millionaires along and adjacent to the shore of Long Island Sound and where expert gardeners who have served their years of apprenticeship in the horticultural profession in many parts of the world are employed. Stamford, a large manufacturing town with many saloons, Chinese laundries and immense churches is minus a decent-sized exhibition hall, consequently this most creditable display had to be jammed into a small room. This is the first time probably that the need of a larger hall has been brought practically to the notice of the citizens of the town and it ought to be the means of getting one. All the most prominent people of the section visited the show. Whole families were brought out in autos and jumped about in glee over their pets. During the afternoon people had to wait outside until room to get in was made. It was all pleasingly inspiring to the promoters and those who had to do the work. Geraniums and orchids were elegant, carnations plentiful, chrysanthemums of good size and the table decorations were excellent.

The Awards.

Chrysanthemum Plants—Single stem, one flower, Thos. Aitcheson, 1st; A. Belschke, 2nd. Specimen bush, W. J. Sealey, 1st on white with Garza; J. T. Burns, 2nd. Sealey, first on pink with Annie Laurie; 2nd, W. H. McGulinness. Sealey, first on any other color; Jas. Stuart, 2nd, Alex. Geddes, 1st on standard; E. MacKenzie, 2nd.

In the classes for six chrysanthemum blooms, Jas. Stuart was 1st on white with Mrs. D. Syme; J. T. Burns, 2nd. J. T. Burns 1st on pink with Pres. Viger and on yellow with Mary Donnellan; Adam Peterson, 2nd. Thos. Aitcheson 1st on crimson with Pockett's Crimson, James Stuart 1st on "any other color" with Mary Mason.

In the classes for three blooms W. Smith, Thos. Stentiford, Alex. Geddes and Thos. Harvey were the winners. The largest bloom shown was Alice Lemon by A. Brieschke. On eighteen blooms in eighteen varieties, six varieties and three varieties, the winners were Jas. Stuart, E. MacKenzie and Adam Peterson, respectively; Messrs. MacKenzie, Brieschke and Burns winning second respectively. Twelve blooms in twelve varieties brought out a fine first display, the varieties being Onunda, Lady Hopetoun, Rose Pockett, Leslie Morrison, Cheltoni, Merza, Mrs. F. Plant, F. S. Nash, Mrs. J. C. Nio, Mrs. D. Syme, Mrs. J. E. Dunne, T. Aitcheson and A. Peterson were 2nd and 3rd. Wm. Smith, T. W. Stobe and A. Geddes were 1st, 2nd and 3rd on six blooms, six varieties. The class for twenty-five vases, twenty-five varieties of singles brought out a splendid winning set from Jas. Stuart. These were the best grown lot of single shown in all the exhibitions around New York and consisted of the following: Merstham Jewel, Carrie Wells, Elsie Neville, The King, Irene Cragg, Grace Trower, H. M. Smith, Calceola, Pezassus, Felix, Jessie Curtis, Merstham Flints, Mrs. R. C. Pulling, Sylvia Slade, Merstham White, Mary Richardson, Cannell's Yellow, Ronpell Beauty and Kittie Bourne. Second prize went to Thos. Bell, whose collection also was eloquently beautiful. Winners in the pompon classes were E. MacKenzie, W. J. Sealey and Thos. Bell. Adam Peterson won 1st on a vase of chrysanthemums and foliage arranged for effect with a notable vase of Lillian Doty. Mr. Sealey also showed a very fine collection of new chrysanthemums and roses.

and Scott Bros. of Elmsford a large group of standard varieties not for competition. Thos. Stentiford was first on gardenias. Geo. Macrae on single and W. H. McGuinness on double violets. On foreign grapes, A. Petersen was 1st and W. J. Sealey, 2nd. On collection of vegetables, A. Geddes, 1st; A. Petersen, 2nd. Group of foliage and flowering plants, A. Bieschke, 1st; John Grant, 2nd. Palm -A. Bieschke, Robt. Williamson. Table plants E. MacKenzie, R. Allen. Geraniums Alex. Geddes. Ferns -R. A. Allen, A. Petersen. Adiantum Jas. Stuart, A. Petersen. Lorraine Begonias—Thos. Stentiford, E. MacKenzie. Orchids A. Petersen, Geo. Macrae. Table of orchids John T. Burns. Group of orchids (commercial) Carrillo & Baldwin. Table decorations Robert Williamson 1st with Lorraine begonia and adiantum; Thos. Aitcheson 2nd, Lorraine begonia and lily of the valley with ferns. The winners in the carnation classes were J. T. Burns, T. W. Stoba, Thos. Aitcheson, Thos. Ryan, A. Alino, A. Wynne, R. Engleman. In seedling classes, A. Wynne and R. Engleman had promising creations.

In the rose classes A. Petersen was the leading winner. Other winners were Alex. Geddes, Geo. Macrae, Jas. Stuart, John Grout and W. H. McGuinness.

Fruit and vegetable classes were well filled.

MT. KISCO, N. Y.

The ninth annual exhibition of the Northern Westchester County Horticultural and Agricultural Society was given at Whitlock's Garage, Mt. Kisco, on Nov. 3rd, 4th and 5th. It was the only place available in this thriving village 'mid big domains, so the automobiles were shoved into barns and Miss Flora reigned in their stead. There were many almost unsurmountable obstacles in the way of location, —the barn-like structure, and above all the flower-killing oil smells and it required courage and go-aheadedness to get up a show under such difficulties, but somehow it was done, and poked away, as it were, in this garage loft, away up mid the hills of Westchester, we found warm hearts, bright spirits and flowers equal to many we have seen in large cities. We only hope that another year will provide a more suitable hall for these persistent missionaries in a good cause.

The Awards.

The Bailey Cup, value \$100.00, yearly offered at this Society's shows, is a much coveted prize and usually there is keen competition, coming from distant points. This year it was offered for 24 chrysanthemum blooms in not less than 8 varieties, and was won by William Duckham, Madison, N. J., with magnificent blooms of Beatrice May, Mrs. Lopes, Mary Mason, W. Woodmanson, Lady Hopetoun, Geo. Locke, Mrs. G. C. Kelly, Frank Payne, Oronida, L. Rosseau, Mrs. D. Syme, F. S. Vallis, Pickett's Crimson, H. E. Converse, Mrs. Stevens, Seedling 43, Pres. Vicer, Mary Farnworth and Chelton. On the six-bloom class, Daniel Gordon was 1st throughout. Robert Hunter and M. J. O'Brien, seconds. The cup for twelve blooms in 8 varieties, was won by D. Gordon; R. Angus and Alex. Thompson, 2nd and 3rd. The bush plants were finely trained and well grown. John Canning was 1st with specimen Annie Laurie; J. McGuinness and D. Fraser, 2nd and 3rd. Twenty single stem and flower, W. Will 1st, Light do, D. Fraser. Three blooms to a pot, D. Fraser. Collection of roses, Alex. Thompson. Collection of carnations, Arthur Rose, 1st; H. Spavins, 2nd. Twelve carnations, A. Rose, J. McGuinness. Three do, A. Rose, J. T. Sutton. Collection of orchid plants, 1st, H. Spavins; his plants were surprisingly good and were easily the best exhibit at the show. Collection of orchids by private gardeners only, M. J. O'Brien. Group of decorative plants, H. Spavins. Same exhibitor won firsts for specimen palm, 2 adiantums, specimen fern, a collection of ferns, collection of begonias, house plants, and second for table plants. In which class he was beaten by Robt. Angus. Geraniums, 1st, Wm. Will; 2nd, D. Fraser. M. J. O'Brien took 1st in apples and pears, and Chas. Phillips, 1st in vegetables. There

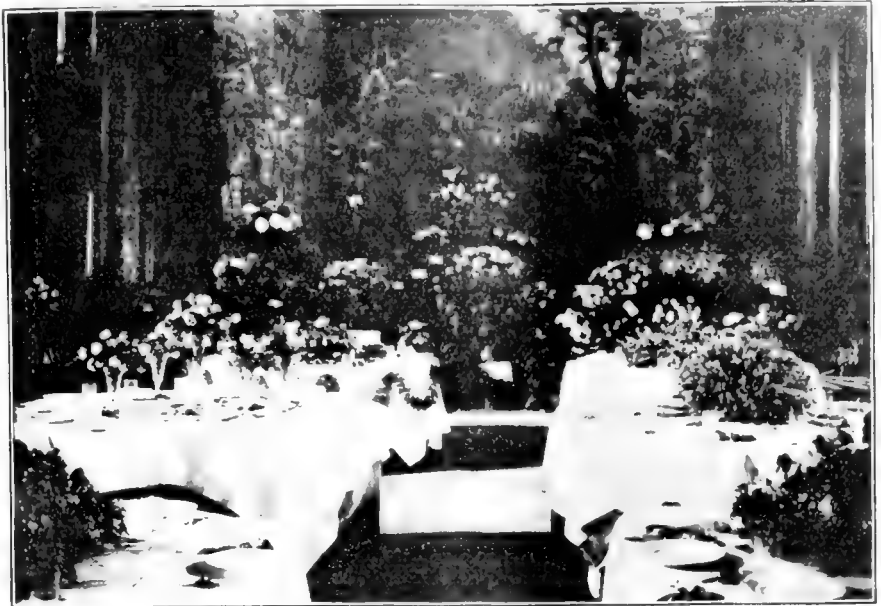


Table Decorations at Tarrytown Exhibition.

were five small table decorations. Winners: W. Will, A. Thompson, M. J. O'Brien. All were poor and in the classes for lady decorators, won by Miss Mills 1st, and Miss Harriman 2nd, they were a cruel joke on art. The judges were N. Butterbach, W. W. Kennedy and V. L. Corbett.

We had almost forgotten the miniature formal flower garden designed by William Will. It was well done and a first prize was the result.

J. IVERA DONLAN.

RHODE ISLAND HORTICULTURAL SOCIETY.

The annual autumn show of the Rhode Island Horticultural Society was held in Elysium Hall, Providence, R. I., Nov. 4 and 5, and the exhibit was far superior to any in recent years.

A new departure was made in the decorative scheme by the introduction of mantel decorations and the corners of the hall were given over to foliage displays and garden evergreens giving a harmonizing and very artistic setting. The cut flower section was also a centre of attraction. Three large tables were laden with vases containing choice specimens of single and double chrysanthemums, carnations and roses. A noticeable contrast in the make-up of the show was in evidence through the activity and cooperation of the members of the Florists' and Gardeners' Club, particular attention being given to the quality rather than the quantity of the exhibits. The show management expressed much satisfaction with the manner in which the growers and commercial men came forward in support of the endeavors of the society and as a result it is felt that, as a whole, they were well repaid for their efforts.

The judges were Eugene McCarren and Cornelius Hofstra, both of Providence. A joint exhibition of fruit by the society and a Rhode Island Boys Corn Show under the Rhode Island State Board of Agriculture were held in connection with the flower show. The following awards were made:

Roses Killarney, Burke & Burns, Cranston. Carnations John A. Macrae, Providence, first; Alexander Macrae, second. Violets J. Kopelman & Co. Mantel decorations William Appleton. Palms and foliage plants C. H. Hunt, first; William Appleton, second. Garden Japanese

greens William Appleton, special mention and gratuity. Chrysanthemums—12 white, Alexander Macrae; 12 yellow, F. S. Peck, Barrington, first; Alexander Macrae, Providence, second; 12 any other color, F. S. Peck; vase of large mixed varieties, F. S. Peck, gratuity; collection of single, Alfred M. Powell, gratuity; F. S. Peck, gratuity. S. A. G.

TARRYTOWN (N. Y.) EXHIBITION.

Continued List of Prizes.

The second day of the show at Tarrytown added much to the interest. There were seven in the class for table decoration by private gardeners, all of them most creditable. First prize was won by John Heermans. His design consisted of the English style of small vases dotted about the table. They were filled with alternate pink and white Killarneys and cuneatum fern with a radiation of Dracaena indivisa foliage from the central vase. John Canning got second with a centerpiece of Richmond roses and Earleypense enclosed in a wreath of Richmonds and lily of the valley; corsages of lily of the valley and ferns with red ribbon. The table was garlanded on the outside with smilax and red ribbon.

In the cut rose classes the principal winners were W. Brock, W. C. Roberts, W. McBean, E. Tretheway, George Middleton, R. Angus, J. Heermans, T. W. Stoba. The Lord & Burnham gold medal was won by W. Brock with Lady Hillingdon, Double White Killarney and Double Pink Killarney; Adolph Lewishohn, cup for American Beauties was captured by Harry Palmer, and the Mrs. Osborn prize by W. C. Roberts with new rose Radiance.

On carnations the principal winners were W. C. Roberts, Geo. Middleton, T. W. Stoba, R. Angus, Chas. Barson (with seedling J. W. Smith). The winning varieties of carnations were Helen Gould in variegated, Enchantress in light pink, Mrs. C. W. Ward in dark pink, Beacon in scarlet, and White Enchantress in white.

Robert Angus won the Miss Potter cup for 12 chrysanthemums, 12 roses and 12 carnations to last in best condition till end of show, and W. C. Roberts won the F. M. Peterson Co.'s sweepstake cup as the owner of most points at the show. Verily them that hath shall be given."

New Orleans, La.—There was a steady stream of visitors—2,000 or more—on October 29 at the grounds of the Metairie Ridge Nursery on the occasion of the fall opening to the public. Mayor Behrman, who was present, made an address in very complimentary vein and Mr. Papworth responded appreciatively. Refreshments were served and the visiting ladies received souvenirs and flowers.

BRITISH HORTICULTURE.

The International Horticultural Exhibition.

Committees have been appointed in various counties to assist in the organization of the Royal International Horticultural exhibition to be held in London next year. Some correspondence has taken place in the press as to the charges proposed to be made for admission. The directors have now decided to provide special facilities to professional gardeners, and also reductions in the charges to the general public. The size of the ground at Chelsea is 21 acres; seven acres are occupied by trees, shrubs, and the remaining 14 acres will be available for the marquees, out-door exhibits, administrative offices, etc. Numerous applications have been received from British growers for space in the floricultural section, whilst the foreign department will be of a very representative character. A splendid list of special prizes is being got together. There will be a special section for horticultural sundries. The exhibits will be given prominent positions in the grounds, both under cover and in the open. In every case the awards will be made by special jurymen, as is the case at the chief European exhibitions. It is expected that the event will attract nurserymen and florists from all parts of the world, so that a favorable opportunity will be afforded for an interchange of ideas on international trade matters.

Spring Bulb Show.

A special exhibition of forced spring bulbs is being arranged by the Royal Horticultural Society to take place in March next year, the object being to determine the varieties most suitable for gentle forcing. The trade as well as amateur growers are invited to compete. The society medals and prizes will be presented by the General Bulb Growers of Haarlem. The trade growers' classes include a collection of 100 hyacinths in 20 named varieties, five blooms of each variety; and a collection of 120 hyacinths in 12 varieties in pans, 10 bulbs of one variety in each pan. The gold medal of the Haarlem Society is to be awarded for the best exhibit. There is also a special prize for bulbs grown in moss, fibre, or similar material. W. H. ADSETT.

ROSES IN CUBA.

Secretary Benj. Hammond of the American Rose Society, has received the following communication from Holguin, Cuba:

Dear Mr. Hammond: I am very much interested in roses but I find it very hard to take the descriptions of the American rose firms and make them all give the results described. I have the following kinds which have done very well for me in Cuba, and I should be very glad if you would suggest some other additions, and where they can be secured, and I shall be glad to try them out. I had them all on a non-blooming stock we have here in Cuba. It is very easily rooted, and a very vigorous grower, and one that if it would stand the cold I believe would be a magnificent stock for the American rose grower.

There is small demand among the Americans for roses here; but the Cubans are great flower lovers, and all the patios are small gardens of flowers.

This is the list mentioned: American Beauty, Paul Neyron, Killarney, Maman Cochet, White Marechal Niel, Perle des Jardines, Helen Gould, Kaiserin Aug. Victoria, and a few others whose names I have missed, but they have nothing striking about them. The Cubans like the roses with color. Very truly yours, T. R. TOWNS.

A BERMUDA LETTER.

Editor HORTICULTURE:

Dear Sir—I enclose a little picture of Araucarias or "Norfolk Island Pines" growing at Sunnylands. This was taken about four weeks ago. These trees have been growing about fifteen years and are at least fifty feet high. One of the trees has several large cones on its topmost branches. I have another large pine on the farm which is about seventy feet high and has quite a crop of cones thereon. And from now on I hope to have plenty of seed and can grow my own plants instead of buying abroad. If these cones are as good as other seeds grown on the place like *Pandanus utilis*, *Phoenix*, *Latania* and *Cycas revoluta*, I ask for nothing better as they are all about 99 per cent. germination. Of the *cycas* seeds I will have a crop of about



20 bushels as they are all ripe for gathering.

The *Ficus pandurata* grows well and takes kindly to our soil and climate. In October, 1910, I planted a good specimen in the garden near the house. It was two feet high at time of planting, today it is ten feet high, and with handsome lateral branches, and with the large fiddle-shaped leaves over fifteen inches in length.

I have been experimenting with different trees, to find what will grow and also fast growing trees. Our islands are quite popular as a winter and summer resort and we are needing such trees to decorate our highways to make it more attractive to our northern visitors. Possibly you or your readers may be able to suggest some other trees that would do well in a climate like this, where the temperature never goes below 50 in winter and seldom over 85 in summer.

Yours very truly

THEODORE OUTERBRIDGE,
Sunnylands, Bermuda.

GLADIOLUS AND DAHLIA NOTES.

C. Betscher, of Canal Dover, Ohio, has been doing a vast amount of gladiolus hybridizing the past summer. With the very fine seedlings already produced and the finest of the Childs, Lemoine, Vilmorin and Pfister productions, his stock is taking high position in the most advanced class. Relatively, as visitors assure us, the Betscher seedlings are grand and in a distinct class by themselves. In a recent letter from Mr. Betscher he writes as follows:

Several of these new seedlings are simply remarkable but only what we bred for. I have done a very large amount of this very expensive work with slow progress making. Now I have the "blond" where it is maturing very well and much; hence, with 25 lbs. of seed of all this best blood crossed with best buyable, we know that the results will be very advanced.

We are breeding several distinct types, one a yellow strain, blooming from early July to November. These show some rich yellows in all tints and times. A very tall type, these are going to be a striking type. Some we cut over 6 feet tall, unusual substance; many of these are very late, needing 6 to 7 months to bloom, while the earliest blooms in 60 days.

Of dahlias we bought over 150 new ones, but find only a very few that are equal to our old list. These were by instruction the pick of over 2500 sorts, so there must be almost 2,450 sorts on the market today that possess very little to commend them to the buyer who wants good blooms in at least reasonable numbers. We have 1,250 of a well recommended sort that has not given us a single bloom up to Oct. 20th; many others in the same class. Now, how can the dahlia be made popular with such "to date" sorts? In such sorts as *Flordora*, *J. H. Jackson*, *W. Swan*, etc., we had a sea of brilliancy, an ocean of color never before equaled, although no rain more than a sprinkle from April to Aug. 17, after which we had ideal conditions until Oct. 20; so that while plants had an awful struggle until then, after that date they simply were magical. Still, many sorts did not show up at all. To offer these sorts is simply retarding the sale of good ones and, putting it truthfully, flavors of obtaining money without giving value for it. Yet our societies seem dead to it, our methods of trial and introduction are very weak or ancient. We all ought to do better and keep on doing it seriously, zealously, hopefully, cheerfully.

C. BETSCHER.

A ROSE LIST.

"The Garden," London, has recently published the last installment of a list of roses, giving parentage, raiser, date of introduction, etc. which has been running in weekly chapters since last May, compiled by Mr. Robert Daniel. As stated in the introduction the task undertaken by the compiler was one of great magnitude and the information given will prove useful to many. Such work is always largely a labor of love and rarely appreciated as it should be but it is to be regretted that in the present instance it is so woefully incomplete. In all, about 1400 varieties are listed which is really but a fraction of what a list anywhere near complete of varieties of which the parentage is on record would be. If only obscure or obsolete varieties were omitted no great fault might be found but when one looks in vain for *Queen of the Prairies*, *Baltimore Belle*, *Andre Schwartz*, *W. F. Bennett*, *Mrs. W. J. Grant* (*Belle Siebrecht*) *Gruss an Elizabeth*, *The Dawson*, *American Beauty*, *My Maryland*, etc., etc., all varieties that have been in the limelight more or less continuously during recent years, one's estimate of the value the compiler's effort gets a rude jolt.

Notice that "M. Natick" is given as raiser of *Wellbesley*. Alexander Montgomery would sound better.

CLUBS AND SOCIETIES

NATIONAL SWEET PEA SOCIETY OF AMERICA.

At the executive meeting of the National Sweet Pea Society of America, held at the Parker House, Boston, Mass., November 3rd, President Sim presiding, it was decided that the fourth summer and annual exhibition and convention of the society should be held in Boston, Mass., July 13th and 14th, 1912, in conjunction with the Massachusetts Horticultural Society's exhibition. Four hundred dollars was set aside to be offered for prizes as follows: \$100 for wholesale growers, \$100 for private gardeners, \$100 for the amateur, \$100 for retail florists.

The above will be in addition to the general list of special prizes donated, also apart from the prizes offered by the Massachusetts Horticultural Society.

There will be a meeting of the schedule committee in Boston about the middle of this month; suggestions and prizes for this schedule are invited. We shall hope to have this published not later than the first of December.

HARRY A. BUNYARD, Sec'y.
342 West 14th St., New York, N. Y.

FLORISTS' CLUB OF WASHINGTON.

This club held its November meeting in its rooms at 1214 F street, N. W., at which place they have decided to continue holding their meetings. The question was put to the club following the receipt of the membership committee's report and the vote to stay was unanimous. Louis R. Freeman and Clarence L. Linz representing HORTICULTURE were duly elected to membership.

The serious illness of William R. Smith was reported to the club and it was voted that a letter be sent him hoping for his speedy recovery. President Mayberry reported having visited him only to find him very low. Mr. Smith is known and beloved from coast to coast and the news of his illness will cause sympathetic anxiety everywhere.

Following adjournment the members partook of a buffet supper and listened to the music and other entertainment. This was given in the grotto which was artistically decorated with American flags and bunting for the occasion.

C. L. LINZ.

MASSACHUSETTS HORTICULTURAL SOCIETY.

The annual meeting of the Massachusetts Horticultural Society for the election of officers for the ensuing year, and the transaction of such other business as may be legally presented, will be held at Horticultural Hall, Boston, at 12 o'clock, noon, on Saturday, November 18, 1911. The officers to be elected are a president; a vice-president (for two years); one trustee (for one year); four trustees (for three years); a delegate to the State Board of Agriculture (for three years); a nominating committee of five members. The election will be by Australian Ballot and the polls will be open continuously between the hours of twelve, noon, and four in the afternoon. WILLIAM P. RICH, Sec'y.

CHICAGO FLORISTS' CLUB.

This club held its regular meeting Nov. 2, with a good attendance, including all the officers. The meeting was somewhat in the nature of a flower show and a very creditable exhibition of the season's blooms awaited the coming of the members. Applicants for membership included Chas. W. Erne, 30 E. Randolph street, Chicago; Edward H. Gale, 108 E. Delaware street, Chicago; A. Vander-Pohl, 3811 Harrison street, Chicago; James B. Foley, 26th street and Western avenue, Chicago; Isaac Cassidy, 26th street and Western avenue, Chicago; Wm. F. Kasting, Buffalo, N. Y.; Chas. J. Bond, Naperville, Ill.; Louis Lickenger, Andrew Bensen, Ed. Toeple, Guy French, Tony Gable, Dick Salm, all of Morton Grove, Ill.

An invitation to visit the St. Louis flower show Nov. 7 to 11 was read. Short speeches were made by visitors E. G. Hill, Richmond, Ind., W. R. Pierson, Cromwell, Conn., H. Roth, LaFayette, Ind., and R. M. Groves, Adams, Mass.

The judges on carnations were John Then, John Zeck and H. Yepsen. Three seedlings were exhibited by the Chicago Carnation Co., No. 150 scoring 88 points, No. 186 86 points and No. 49 87 points. Two of these are scarlets, one easily five inches in diameter and the other a dark pink, all to be disseminated this season. Mr. Keimels, D. A. Robertson and A. Erickson were the judges of roses. Killarney Queen scored 88 and Double White Killarney 87, both exhibited by A. N. Pierson, and a seedling red rose by H. Roth was given special mention. An exhibit of orchids was made by Chas. J. Bond of Naperville, Ill., and awarded the club certificate. Mr. Pierson extended invitation to the club to attend the meeting of the American Rose Society at Detroit in January, 1912.

FLORISTS' CLUB OF PHILADELPHIA.

Nothing really happened at the regular monthly meeting of the above club. We all sat through the three hours waiting—but nothing happened! The meeting was memorable for one thing. It had a good president in J. Otto Thilow. He rushed things through in spite of interruptions and he got all his new committees appointed—just as he had planned them. And by the looks of them, they look like some thinking. As a new shuffle, we haven't had anything like it for many years. How it will work out goodness only knows; but it looks hopeful. Our advice to the president is to boss his job, and above all to pay no attention to the "Wiseheimers."

PENNSYLVANIA HORTICULTURAL SOCIETY.

The Flower Show now on in Horticultural Hall, Phila., is much better than for four or five years back in arrangement, quantity and quality, both in cut blooms and specimen plants as well as in the decorative departments. All greatly ahead—thanks to the hustle of Stroud, Thilow and many others. Full account next week.

STATE FLORISTS' ASSOCIATION OF INDIANA.

About fifty florists attended the November meeting of the Indiana State Florists' Association at Richmond last Tuesday at the E. G. Hill Co. greenhouses, where the business session of the morning was held. Short talks were given by W. W. Coles of Kokomo; J. S. Stuart, Anderson; M. Heller, New Castle; H. L. Weigand, Indianapolis; N. H. Gano, Martinsville; Theodore Dörner, Lafayette; Roger Murphy, Urbana, Ohio; B. F. Hensley, Knightstown, and W. H. Elverson, New Brighton, Pa. Joseph H. Hill and E. G. Hill also gave short talks on the work they are carrying on. Nine new members were added, making the membership total almost 100.

At noon a luncheon was served, after which automobiles carried the florists on an inspection trip to the Graves, Gause, Knopf and Lemon greenhouses, and the Advance Machine Company's plant. The next meeting will be at Indianapolis, December 4, and the annual meeting will be at the same place, January 17.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Work of Committees.

Exhibited by Elmer D. Smith & Co., Adrian, Mich., at Chicago, Nov. 2nd: Christy Mathewson, Jap, white, 90 points, exhibition scale.

Smith's Sensation, Jap, pink, Inc., 87 points, exhibition scale.

White Perfection, Jap, Inc., 88 points, commercial scale.

Exhibited by E. G. Hill Co., Richmond, Ind.:

August Daisy, Jap, orange yellow, 87 points, exhibition scale.

August Daisy, Jap, orange yellow, 92 points, commercial scale.

Hirondale, Jap, Inc., pink, 86 points, exhibition scale.

Hirondale, Jap., Inc., pink, 91 points, commercial scale.

Petite Yvonne, Jap, white, 81 points, commercial scale.

CHAS. W. JOHNSON, Secy.

CLUB AND SOCIETY NOTES.

The meeting of the New York Florists' Club on Monday night, Nov. 13, will be ladies' night and a fine entertainment is promised.

One would imagine that the office of president of the New York Florists' Club would be dignified enough to have invitations sent to visit the local shows, but never a one came, and when one considers the good fellow and hard worker that occupies that position at present, along with the vast work done by the club, the neglect seems all the more inexcusable.

The annual meeting of the North Shore Horticultural Society and election of officers took place Friday evening, November 3. Herbert Shaw was elected president; Herman Sanford, vice-president; James Salter, clerk; John Jaffrey, treasurer; and Robert A. Mitchell, librarian. The executive committee is: F. F. Brasch, A. E. Parsons, Joseph Clark, John Chapman and Eric H. Wetterlow.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Address by President Elmer D. Smith before the Chrysanthemum Society of America at St. Louis

To the Members of the Chrysanthemum Society of America:

This is our tenth annual joint meeting and exhibition and as we will soon be making history in a new decade, permit me to briefly refer to what has taken place since the Chrysanthemum Society of America was organized.

This society was instituted at Buffalo, New York, in August, 1890, and from that time until the first exhibition was held in Chicago in 1902 the annual meetings were held in the summer during the convention of the Society of American Florists and Ornamental Horticulturists.

The establishment of annual exhibitions with executive sessions, seemed to give the society new life. To my mind the most worthy and beneficial act the society performed during its existence was that of appointing committees to commend such new varieties as they consider improvements and worthy of being disseminated.

We owe much to these committees who meet yearly at intervals during the flowering season at Boston, New York, Philadelphia, Cincinnati and Chicago to inspect and pass judgment upon these new candidates. The unselfish devotion they have given in time and money to this work enables the society to point out to the buying public the best kinds for their purpose. Their unbiased judgment is clearly set forth by the fact that the majority of the most popular kinds today have received their approval.

You may question the truth of this statement by citing some which have not come up to your expectations, but if you will scan the list of varieties now conceded as our best commercial sorts you will find the large majority have been certificated by this society through its committees. It is not to be expected they can determine such defects as are either constitutional or controlled by cultural methods such as diseases, lack of fullness or adversity of propagation. No mortal optics are so keen as to detect such blemishes from the six blooms submitted. Every one interested in chrysanthemums should sing praise to these men who so unselfishly and possibly unconsciously have done so much to benefit us all.

I doubt if many of us fully appreciate how general and far reaching are the advantages we now enjoy and that this boon is largely due to the benevolent spirit of these committee-men. Since their inauguration there has been a wonderful curtailment in the number of novelties offered. In 1893 there were disseminated 180 of American origin and 130 foreign or 310 new varieties were brought out in a single year. Under such conditions it was very difficult to select the most suitable and in those days when there was no safe guard against imposition it was not unusual for introducers to include varieties of little merit. Since the appointment of these committees in 1894 these numbers have grown less year by year until the offerings for the present are 20 American and 55 Foreign, of which 15 were certificated by this society. And so I say all do not appreciate what has been bestowed upon us, the introducers are

seeking higher standards in preference to large numbers and the purchasers, whether commercial growers, private gardeners or amateurs have greater confidence in those kinds which are sufficiently meritorious to pass their critical examination.

Although our membership is slightly on the increase rather than waning, the society has not received full value in return for this service given all lovers of the Queen of Autumn. We have received the hearty support of only a small portion of those interested in this important branch of floriculture. We have been unable to impress upon the many the importance and our earnest desire of their hearty cooperation.

As previously stated the time was when the reports of exhibitions was our chief guidance in making selections, but now the nuts are all cracked and the meats are placed before you. This one feature alone should be of sufficient importance to secure the membership of every grower interested in the best and latest kinds. All the society demands is \$2 annual membership fee and I venture most of us spend this small amount in some frivolous way without benefit to ourselves or to any worthy cause. It seems strange with the vast number infinitely interested that so small a portion can not or do not see they owe a moral obligation in supporting so worthy a cause.

We want your counsel and advice, we want you to assist in formulating new plans whereby greater benefit will exist. You can assist us, I mean all of you. If you grow but a few hundred plants it is worth more than the paltry sum we ask to receive our annual report and feel you are associated with those whose endeavors are the betterment of all. A brighter future with greater achievements will be wrought by putting into force the proverb, "Heaven helps those who help themselves."

Just a few words on what has been accomplished during the past decade toward improvement of varieties in this country. In 1902 our earliest white Mme. Bergman was seen on the market early in October, now we can have larger and better flowers in July if desired. The same may be said regarding the yellows. Pinks have not advanced in the same ratio, although Unaka may be had in fine form the first week of October. We have also been given such good varieties as Dolly Dimple, Golden Eagle, Lynnwood Hall, Chrysolora and others which show marked advances in their particular color and type.

During the past few years equal gains are manifest in the exhibition section. Such newcomers as F. E. Nash, Lenox, Glen Cove and Morristown compare favorably in size and finish with the importations. The limit has not been reached and if we progress we must have better qualities, for when we consider the qualities requisite for the best commercial and exhibition sorts it does not take long to discern wherein most of them are deficient. In the commercials we might have better midseason whites, a good pink as early as Golden Glow; a type with foliage up to the bloom, which some of the later productions are showing a marked tendency and many of the exhibition varieties would be greatly enhanced if foliage could be supplanted for the long bare neck,

while others would add to the appearance of our exhibitions if their stems were stiffer.

While this society allows artificial supports I predict the time is not far distant when this measure will be repealed. To my mind those which can not sustain their blooms are of slight consequence regardless of other qualifications and artificial supports in all classes calling for vases of twelve blooms or more should be eliminated. Why should we encourage retrogradation rather than insist that our standard of excellence shall ever continue upward? There are qualities other than size that appeal to the refined and we should not forget that color and form are the fundamental principles underlying beauty as nature presents it nor should we degrade these two characteristics in our efforts to increase size.

The trade papers have been generous in devoting their space to our notices without compensation to whom we should extend our sincere thanks. Let us hope for greater achievements and focus our force and energy to that end, so that when the hour glass of time marks the closing of the next decade we will then realize how weak we are at present. As a society we have obligations to perform. Let us all join hands in an efforts to increase our usefulness for the betterment of all. In union there is strength and earnest endeavor leads to success.

THE BOSTON LANDSCAPE CLASSES.

The landscape gardening classes of the Gardeners' and Florists' Club of Boston had their first session of the present season at Horticultural Hall, on Tuesday evening, November 7. The teacher is Raymond W. Aldrich, who has an efficient assistant, so that students will be well cared for. The charges are the same as in previous years, viz.: 50 cents per lesson. The classes will run for approximately five months.

Meetings will be held on Tuesday evening of each week, except the week of club meetings, when they will be held on Monday evenings. In addition to drawing plans, etc., it is hoped to arrange for several practical talks during the season, and also at least one field day for practical work, probably in the Boston Park System.

Instruments needed, also scales, pencils, rubbers and thumb tacks will cost about \$2.50. The cost of paper and other supplies for the full season may reach \$2.00 additional. These are the total costs apart from tuition fees.

The desire is to benefit young men at a low cost, and make them better fitted for filling places of responsibility. The lack of outdoor gardening continues to be the greatest deterrent to success with many and all who attend these classes will find it a most excellent investment, enhancing greatly as it will their chances for further advancement.

We read with interest in the news columns of one of our contemporaries, issue of Nov. 2, 1911, that George Parker, florist, Dorchester, Mass., and Miss Ida Spargo had been married on Wednesday evening, Oct. 25. As the interesting event thus recorded, took place some thirty years ago, the news-gathering facilities of our esteemed contemporary would seem to be just a little antiquated.

THE NEW BREITMEYER STORE, DETROIT, MICH.



Interior View.



The Refrigerator.

PERSONAL.

C. H. Totty, Madison, N. J., started last Monday on a western trip.

Peter T. Devoy, of Poughkeepsie, is reported as very low with pneumonia.

H. A. Kettel and family of Rumson, N. J., have gone on a trip to old friends and scenes in Europe.

R. Vincent, Jr., Whitmarsh, Md., is on a visit to several western cities where he is scheduled to lecture on his recent European trip.

We regret to have to announce that latest news from Wm. R. Smith of Washington is that he is still very low and there is much uneasiness as to the prospects for his ultimate recovery.

The engagement of Henry Sargent Dawson, youngest son of Jackson Dawson and Miss Pauline Fenner Mason of Dorchester, Mass., has been announced. The marriage will take place next June.

Prof. A. J. Cook, dean of the department of science of Pomona College, California, and a graduate of the Michigan Agricultural College, has been appointed commissioner of horticulture for California by Governor Hiram Johnson.

All will be glad to learn that the late C. N. Bliss substantially expressed his appreciation of the services rendered by his energetic and able superintendent, N. Butterbach of Oceanic, N. J., whose daughter will be married to James McCann on Dec. 2nd. This will be a great green letter day at Red Bank.

Boston visitors: W. Atlee Burpee and George C. Watson, Philadelphia.; H. A. Bunyard, New York City; C. H. Totty, Madison, N. J.; Ed. Kirk, Bar Harbor, Me.; Mrs. W. Bridgeman, Rhinebeck, N. Y.; Mr. and Mrs. Harry Bayersdorfer, Phila.

Buffalo is about to establish a municipal nursery where trees for street and avenue planting will be raised, under the supervision of City Forester Filler. About 40 or 50 acres of land will be required but the location has not yet been selected.

POT-GROWN GRAPES.

Our cover illustration shows a fine Black Hamburg in fruit, not, as might be imagined, the product of some private conservatory but grown for commercial use by a commercial florist. Mr. Murray is doing good missionary work for the florist's business in its higher possibilities and can see something in his vocation above and beyond the mere sticking of wired blossoms in a wire frame. He writes us that he uses these finely fruited vines for basket and punch bowl work, arranging them so that the bunches of grapes hang down from the handle.

NEWS NOTES.

Halifax, Mass.—The Halifax Garden Company have announced their 1911 fall chrysanthemum show and visit to the greenhouses, to be held Saturday, Nov. 11, 2 to 5.30 P. M., and Sunday, Nov. 12, 8 A. M. to 5 P. M., at the greenhouses. A cordial invitation is extended to the public.

North Dighton, Mass.—Geo. H. Walker of North Dighton has purchased the entire stock of cactus dahlia tubers, including two acres from J. P. Bodge, Fall River, Mass., who is retiring from the business. Mr. Walker has been very busy the past week digging and trucking them home for storage.

New Springfield, N. Y. — Emil Schraeder, a well known grower, was aroused early on Tuesday, Nov. 7, by a burglar alarm, and hurrying to his yard with a shotgun discovered a burglar who was robbing his poultry coops. The burglar knocked Schraeder down and was about to seize the gun when the florist pulled the trigger. The burglar fell dead in a heap with a charge of buckshot in his head.

The Lamberton Memorial Conservatory at Highland Park, Rochester, N. Y., was formally dedicated with appropriate exercises on October 30. The presentation speech was made by President A. B. Lamberton of the park board, who was introduced by W. C. Barry and the acceptance was voiced by Mayor Edgerton. A grand display of chrysanthemums is now on and this will be followed by a series of public floral displays throughout the season, from 10 A. M. to 5 P. M., daily.

CINCINNATI NOTES.

The flower show will be held Nov. 13-18 inclusive. Superintendent Wm. Murphy of the exhibition has laid out the Horticultural Hall as a flower garden. The silver cups worth easily double their advertised value have been placed on exhibition in a prominent show window on Walnut street, between 4th and 5th avenues. The entries up to the time of writing are large and indications point to an augmentation before the end of the week. The mayor will make an opening address on Monday, the opening day of the affair. Visitors should not forget the smoker on Thursday at the Bismark Rathskeller. The committeemen in charge promise a good time for everyone.

The meeting of Cincinnati Florists' Society was held at Cincinnati Cut Flower Exchange at 24 3rd Avenue, East, on Saturday, Nov. 11, 1911.

Albert McCullough started for Florida this week for a stay for over a month.

Thos. Windram has gone to Florida to his asparagus farms.

Harry Schwartz, Gus Adrian and Max Rudolph were at the Indiana State Florists' Association meeting at Richmond on Tuesday.

Visitors: R. Groves, Adams, Mass., and J. Broxey, Dayton, O.

DURING RECESS.

New York Bowlers.

The attendance at the New York bowling on Friday, November 3rd, was apparently affected by the numerous calls at exhibitions. The scores were as follows:

Ch'dwick,	193 222 194	Holt,	137 148 154
Young,	191 162 165	Shaw,	110 133 118
Nugent,	132 155 120		

Chicago Bowling Scores, Nov. 1, 1911.

CARNATIONS.		ORCHIDS.	
Lorman,	152 135 175	H'amer,	147 160 182
Krons,	118 130 110	Graff,	124 170 158
Wint's'n,	97 94 117	Dugan,	132 148 139
Schultz,	167 144 163	Farley,	139 141 154
Zeeb,	143 136 162	Zeeb,	159 166 192

ROSES.		VIOLETS.	
Stack,	125 146 160	B'rgm'n,	176 168 158
O'Connor,	137 127 151	Cole,	115 129 116
Pierson,	117 176 145	W'n'h'b'r	116 124 114
Wolf,	139 174 199	Fr'dm'n,	158 175 179
Fisher,	167 173 199	Byers,	113 105 144

DREER'S SPECIAL VALUES IN PHOENIX ROEBELENI



Our stock of this beautiful, graceful, hardy Palm is in prime condition and of good value.

PHOENIX ROEBELENI. Specimens

6 in. pots, 1½ ft. high, 2 ft. spread.....	\$2.00 each
8 in. tubs, 20 to 22 in. high, 24 in. spread .	3.00 each
8 in. tubs, 2 ft. high, 2½ ft. spread heavy .	5.00 each
12 in. tubs, 2½ ft. high, 3 ft. spread heavy .	12.50 each
14 in. tubs, 3 ft. high, 4½ ft. spread heavy .	35.00 each
15 in. tubs, 3 ft. high, 6 ft. spread heavy ...	50.00 each

A nice lot of young plants in 2¼ inch pots for growing on. \$1.50 per dozen; \$12 per 100; \$110 per 1000.

For a complete line of Seasonable Decorative Stock see our Special Circular of October 12th. If you did not receive a copy write us and we will send you one.

Are you interested in Dahlias, either as a cut-flower proposition or for cataloging? If so send for our Special Wholesale Catalogue of Dahlias quoting special prices on field roots for early orders.

HENRY A. DREER, Inc., 714 Chestnut Street, Philadelphia, Pa.

The above is intended for the trade only.

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PALMS, BAY TREES, BOXWOOD AND HARDY HERBACEOUS PLANTS, EVERGREENS, ROSES, RHODODENDRONS VINES AND CLIMBERS, AUTUMN BULBS AND ROOTS, CONIFERS, PINES.

Florists are always welcome visitors to our nurseries. We are only a few minutes from New York City; Carlton Hill Station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS

Nurserymen and Florists

Rutherford, N. J.

American Grown Roses

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens.

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HARDY NORTHERN GROWN NURSERY STOCK

WE GROW EVERYTHING FOR PLANTING THE HOME GROUNDS
A GENERAL ASSORTMENT OF

Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc., Etc.

Our Illustrated and descriptive Catalogue for the asking

THE BAY STATE NURSERIES, North Abington, Mass.

Large Arborvitae, Hemlock and Norway Spruce.

THE FINEST IN THIS COUNTRY. Also other large Evergreens. Some large deciduous trees and large shrubs. Evergreens with balls. State sizes in writing for prices.

THE F. E. CONINE NURSERY CO., Stratford, Ct.

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Landscape Architect and Forester

1 Montgomery St., JERSEY CITY, N. J.

Tree Renovation by Expert Operators. Stereopticon lectures on Horticulture and Arboriculture.

Box Trees

and other EVERGREENS for Tubs and Boxes

Our Prices are Always Right—Catalog Free

THE NEW ENGLAND NURSERIES, Inc.
BEDFORD, MASS.

DIRECT IMPORTATIONS

Bay Trees, Kentias, Azaleas, Valley Pines, Roses, Rhododendrons, Boxwood, Manetti, Evergreens, Jap. Lilies, Raffia, etc., etc.

Nursery stock from France, Holland, England and Japan.

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HOLLAND NURSERIES

Best Hardy Rhododendrons, Azaleas, Conifers, Clematis, H. P. Roses, Shrubs, and Herbaceous Plants.

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ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.

CHICAGO NOTES.

Chrysanthemum Shows at the Parks.

Nov. 1st Garfield Park Chrysanthemum Show was announced as ready for the public and promptly the public showed its appreciation by keeping up a steady stream of admirers pouring through the doors. Sunday, by actual count, over 10,000 people passed into the conservatories. A special feature of this year's exhibit is the large center bed, irregular in shape and containing one thousand single-stem plants. Two hundred varieties of these huge beauties are a sight never to be forgotten.

Lincoln Park conservatories were ready with their annual display Sunday. As is always the case, this park being centrally located has the most visitors and the exhibit will continue six weeks.

Business Changes.

Friedman's new store, known as the Western Floral Co., on Congress street, opens this week.

Edw. Lester, who opened a small retail store in the down-town district about a month ago, has decided to give his attention to something else or seek a less expensive district.

Chas. Erne tried the wholesale end of the business for a couple of days last week, using a part of the space of the Chicago Carnation Co., which proved too small for his purpose.

McNally has sold his retail store to Max Cohen, who has had several years' experience with the Amling Co., Poehlmann Bros. Co. and others, and is ably fitted to take up the florists' business for himself.

Mrs. Flora M. Wintermeyer, 750 Throop street, has transferred the paper box manufacturing business of her late husband, J. C. Wintermeyer, to the D. M. Goodwillie Co. Jas. Vlcek, salesman, will go with the new owners.

The Chicago Rose Co. of Libertyville, Ill., has sold out to two former employes of Bassett and Washburn for \$13,000. J. G. Schumann, an expert rose grower, and Joseph Kohout, a successful carnation grower, comprise the new firm.

Charlie Zapfe, for twelve years in J. A. Budlong's wholesale store, leaves Saturday night to open a retail store at 61st street and S. Park avenue. The store was leased on the 1st and is now being equipped with everything up-to-date throughout.

Clifford Pruner has forsaken indoor life and returned to the road, where he has spent many years of his life. He is with the same firm, the E. H. Hunt Co., and started for the southwest Monday with a full line of samples. Raleigh H. Starbuck, of the same firm, comes in from the road to take his place.

The son and daughters of the late Joseph Klimmer have incorporated under the name of Klimmer's Greenhouses and will carry on the business which their father so successfully founded many years ago at Forest Park and was actively engaged in till within a few months of his death last year. Capital stock \$5000.

One of the most important recent transfers among the down-town florists was arranged for this week and

J. Mangel becomes the owner of the Palmer House Flower Store, so long owned by Harry Rowe. The transfer takes place March 1, 1912. As stated in this column last week, the building in which J. Mangel has had his store for many years is to be torn down and a new location was necessary, hence the purchase of the Harry Rowe store, which is one of the finest in the city and just a few doors west.

Trade News.

Harry Rowe will open a new store after he gives up his present one, the exact location of which is not yet determined.

Phil Schupp, manager for J. A. Budlong, is pleased with the result of eliminating Bridesmaids from the stock grown this year. My Maryland and Killarney are so satisfactory that he thinks they will be used exclusively for pink in the near future.

The Chicago Carnation Co. have added a mimeograph and addressograph to their office equipment and are rapidly getting to the front in their ability to handle successfully a large output of carnations and chrysanthemums. Manager Pyfer left Monday night for the St. Louis, Mo., Flower Show.

Personal.

Thos. Franks of Champaign, was proudly introducing his bride to his friends in the wholesale market last week.

Ed. P. Hauswirth is receiving a hearty welcome from his friends among the florists after his absence from the city for the past two years. He is now city salesman at Vaughan's Seed Store.

Mrs. Edson Haas, 5455 W. Lake St., is very ill following an operation for appendicitis with other complications.

Mrs. Geo. Hartung of Mt. Pullman, is recovering from a recent operation at Pullman hospital.

Word has just been received here that the son of R. S. Petts of Crawfordsville, Ind., was burned to death Sunday, Nov. 5. No particulars have been received, but the family have the sympathy of the trade.

Visitors:—W. R. Pierson, Cromwell, Conn.; R. M. Groves, Adams, Mass.; E. G. Hill, Richmond, Ind.; H. Roth, Lafayette, Ind.; Chas. J. Bond, Naperville, Ill.; A. F. Augspurger, Peoria, Ill.; Mrs. Rennison, Sioux City, Ia.; F. J. Farney, of M. Rice & Co., Phila.; R. H. Simmons, La Salle, Ill.; Mrs. M. D. Reimers, Louisville, Ky.; Mr. and Mrs. Thos. Franks, Champaign, Ill.; Harry Philpott, Winnipeg, Man.; Chas. Schaefer, Kankakee, Ill.

Des Moines, Iowa.—The Iowa Seed Company celebrated the completion of their extensive new range of greenhouses by giving a flower show on Nov. 1 and 2, to which the public were invited and free souvenirs given to the lady visitors. There are 32 houses in the entire range and they contain in addition to the usual stock in such establishments many rare plants not often found in commercial greenhouses. Although somewhat inconveniently located—being about six blocks from the street car line—they were crowded during the reception days.

INCORPORATED.

Westminster, Vt.—The Connecticut Valley Orchard Co., capital stock \$10,000. Incorporators, E. G. Tuthill, J. Dascomb, Geo. H. Dascomb.

Camden, N. J.—Pittsburgh Florists' Exchange, capital stock \$15,000. Incorporators, V. A. Murray, Harvey L. Lechner, Julian H. Kendig.

Fort Atkinson, Wis.—The Ellison Bay Orchard Co., capital stock \$40,000. Incorporators, W. T. Clark, C. T. Telfer, A. J. Edwards, R. J. Coe.

Indianapolis, Ind.—The Minnesota Orchard Co., capital stock \$50,000. Directors, R. S. Kennedy, Geo. A. Smith, Arthur Christofferson, Julius Harvet, and Wm. H. Dye.

Forest Park, Ill.—Klimmer's Greenhouses, general seed and florist business, capital stock \$5,000. Incorporators, Augusta Klimmer, Frank Klimmer, Minnie Klimmer and Lillie Zander.

Seaford, Del.—The Woodland Orchard Co., capital stock \$100,000. Incorporators, Orlando Harrison, Berlin, Md.; C. Donoho, Seaford; A. H. Hardesty, Dover; F. P. Adkins, Salisbury, Md.

Port Ewen, N. Y.—The Francis Howard Corporation, capital stock \$250,000. To do a landscape gardening business. Incorporators, D. Cahart, B. B. Cattel and A. P. Hallett, all of New York city.

Romney, W. Va.—Potomac Highlands Orchard Co., capital stock \$10,000. Incorporators, M. E. Ailes, of Washington, D. C., Eugene E. Ailes and John J. Cornwell, of Romney, A. S. Ailes and C. C. Ailes, of Okonoko, W. Va.

HYBRID ORCHIDS

FLOWERED AND
UNFLOWERED....

Julius Roehrs Co.

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ORCHIDS

Greatest quantity and variety in the country. Established and freshly imported. Also material in which to grow them.

Write for special list and catalogue.

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Largest Importers, Exporters, Growers and Hybridists in the World

SANDER, St. Alban's, England
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NEW YORK CITY

ORCHIDS

PLANTS and FLOWERS always on hand
ORDONEZ BROS.

Madison, New Jersey

WASHINGTON NOTES.

J. Harper Hetherington, formerly with F. H. Kramer, is now with the Washington Florists' Co.

Robert Schock called on many of the local florists last week in the interests of M. Rice & Co., of Philadelphia. Mr. Schock reports business to be quite good with him on this trip. Among other traveling men in town were Mr. Knight, of Knight & Struck, and Mr. Goudy, with H. A. Dreer, Philadelphia.

F. H. Kramer gave a surprise party for Miss Olive, daughter of Sergeant Charles A. Stevens of Anacostia on the occasion of her fourteenth birthday. Among the florists of Anacostia, who were present were Mr. and Mrs. F. H. Kramer and Mr. and Mrs. Adolphus Gude. A very pleasant evening was spent.

A good many merchants in different lines are employing cut flowers in the decoration of their display windows and stores and there are quite a number of opportunities to make contracts for the supply of flowers in season. Jewelers, opticians and shoe merchants, showing shoes for evening wear, utilize flowers to a greater or lesser extent.

Gude Bros., 1214 F Street, N. W., last week held a grand flower show on their own account. Ninety or a hundred varieties of chrysanthemums were displayed, some of them with up to six-foot stems. For a depth of 180 ft. and a width of 40 ft., the entire street floor was a mass of color set off by ferns and palms. Myriads of small power electric lights in all colors softened the intense light of the higher power Tungstens. The walls were covered with southern smilax. In the greenhouse at the rear was a rustic bower fifteen feet in height covered with smilax, American Beauty and Radiance roses while around this were jars of chrysanthemums and Beauties. A remarkable part of this display was the fact that the Radiance roses placed on Sunday remained intact the following Saturday. The store was packed from opening until closing, people coming from long distances, and in all sorts of equipages, to view this handsome scene.

ST. LOUIS NOTES.

The A. Brix Floral Co., who run a retail store at 1518 St. Louis Ave., have leased their green house plant at McLaren and Mead Ave. to Albert Hirlmann.

J. J. Beneke, Jr., son of J. J. Beneke, was married last week to Miss Viola Walsh. Mr. Beneke was formerly with his father and is now with the Wesco Electrical Co. as assistant purchasing agent.

The Retail Florists' Association's bill No. 13 before the House of Delegates, to prohibit crepe pulling, was defeated last week at the meeting of the House. The members say the bill was not properly made up as presented. They will try again.

The Bentzen Floral Co. have sold their stock and leased the greenhouses at 4025 Marcus avenue to Joe Hamerle who was until recently foreman of the Grimm & Gorley greenhouse plants. The Bentzens will devote all their time to their retail store at 3118 N. Grand Ave.

LET
GEORGE
DO IT

For a limited time, we offer our surplus stocks of the celebrated

W-P Mushroom Spawn

the best English brick—made by the most expert mushroom growers in England—at reduced price, to

MAKE ROOM

for other crops now arriving. Regular price \$7.00 per 100 lbs. Until further notice special price:

\$6 per 100 lbs.

GEORGE C. WATSON

Dobson Bldg., 9th and Market St.

PHILADELPHIA

100,000

FORCING TOMATO PLANTS

in 2½ inch pots at \$20.00 per M in the following varieties: Comet, Sutton's, Winter Beauty, Sutton's Best Of All, Sutton's Abundance, Sutton's A 1.

Cabbage and Lettuce Plants in unlimited quantities and best market varieties.

FOX HALL FARM, NORFOLK, VA.

ONION SETS

HEADQUARTERS FOR THE EAST.

We carry large stocks of choice quality at both our Orange, Conn., and New York City houses. Full line all varieties of Garden and Flower Seeds. Trade List on application.

S. D. WOODRUFF & SONS,
82 Dey Street,
Orange, Conn. New York City.

BOSTON NOTES.

A shipment of about 30,000 fine azaleas has been received by the Wm. W. Edgar Co. of Waverly.

Some new and valuable orchids from England have been recently added to the collection of J. T. Butterworth of South Framingham.

Between landscape work and his new flower store at 199 Tremont street, Harry Quint is kept very busy. Mr. Quint is a graduate of one of the foremost agricultural schools and is a landscape artist of no mean ability. He comes from a family of florists.

At the meeting of the stockholders of the Boston Co-operative Flower Market, 2 Park street, on Nov. 4, John McFarland was elected president, Donald Carmichael treasurer and William W. Tailby clerk. These with the following comprise the board of directors: Edward Wood, Robert Montgomery, Norris F. Comley, William H. Elliott, James Wheeler and Elijah Cartwright. A 10 per cent. dividend was declared and a good surplus left in the treasury.

About three centuries ago there lived in North Europe a man by name of Ochus Bochus. He was a born conjurer and it became customary in those days for a conjurer to say "Ochus Bochus" when he performed a trick, instead of firing off a pistol like sleight-of-hand professors do nowadays. Later day spelling changed the phrase to "Hocus-pocus," which means tricky. Now in the bulb business there are salesmen who would fare better if they would only come right out and say "Hocus-pocus" when they make a sale and be done with it; for Hocus-pocus sales bounce back like a rubber ball, and it's the back-draft that hurts business. If every salesman had to face the back-draft he would be more careful in his sales. Look out for the Hocus-pocus salesmen; those promisers who change their name to John Doe after the sale is made. Buy good bulbs, pay enough for them, and then insist upon getting what you pay for. In lily bulbs there is no better brand than Horseshoe Brand, and if you buy them there is no need of empty promises and persuasive methods because they must make good to uphold their good name. No Hocus-pocus about them, that's a sure thing, and no secrets in their make-up. Prices are as reasonable as we can afford. Write us.



No. How Cheap
But How Good

Ralph M. Ward & Co.

12 West Broadway

NEW YORK CITY

*Easter Lily Bulbs for
Immediate Delivery*

THE LATEST SIL

**The new Sargent rose originated by Jackson Dawson,
now offered for the first time for fall 1912 delivery**

This seedling combines the good qualities of R. Wichuraiana, R. Crimson Rambler and R. Baroness Rothschild which have been used in its evolution. The flowers are single, about three inches across, pale rose in color and produced in greatest profusion in pyramidal clusters all along the strong branches, blooming from the middle of May till end of June. The foliage is a beautiful glossy green and remains in good condition till late fall.

As this stock is limited book your orders early. \$1.50 each



Silver Medal awarded to Jackson Dawson for Prof. C. S. Sargent Rose by the Massachusetts Horticultural Society, June 26th, 1909

Also Notable Advances in Roses Originated by Jackson Dawson, which have received high honors at home and abroad

**Lady Duncan, Dawson, Daybreak, Farquhar,
William Egan and Minnie Dawson**

WRITE FOR PRICES

SPECIAL WHOLESALE RATES ARE OFFERED, BUT TO THE TRADE ONLY

EASTERN NURSE

ER MEDAL ROSE



THE SARGENT ROSE

We also carry a **LARGE STOCK** of Fine Conifers, Deciduous Trees and Shrubs
and Hardy Herbaceous Perennials

Send for Our New Illustrated Catalogue

ES, **HENRY S. DAWSON, Manager**
JAMAICA PLAIN, MASS.

Seed Trade

Prize Vegetables at Boston.

Following is a summary of the awards in the vegetable section of the Agricultural Department of the Industrial and Educational Exposition recently held in Boston:

Onions—E. C. Kidder, Sunderland, Mass., first prize, silver cup. A. H. Wingett, Lenox, Mass., Ailsa Craig Onions, special first prize. E. L. Underwood, St. Albans, Vt., first prize.

General Exhibits—Massachusetts State Farm at Bridgewater, Mass., farm products, first. Boston Market Gardeners' Association, vegetables, gold medal. Fruit and Vegetable Dealers in Faneuil Hall Market, fruit and vegetable, special certificate of merit. Waban Gardens, Waban, Mass., vegetables, first.

Potatoes—Samuel G. French Westwood, Mass., general exhibit, first; Johnson Seed Potato Co., Leominster, Mass., second. N. I. Bowditch, Framingham, Mass., variety exhibit, special prize. Samuel G. French, Westwood, Mass., single box, first; Johnson Seed Potato Co., Leominster, Mass., second. St. Martin Farm, Littleton, Mass., general exhibit, certificate of merit.

Corn—Baker Farm, So. Lincoln, Mass., general exhibit, field corn, first. A. H. Weld, Rochester, Mass., field corn, special first prize. N. Dwight Platt & Son, Milford, Conn., sweet corn, Stowell's Evergreen, first. N. Dwight Platt & Son, Milford, Conn., Brewer's Yellow Dent, first. N. I. Bowditch, Framingham, Mass., Stickney Corn, first. Harry A. Smith, Mt. Vernon, N. H., Twelve-Rowed Yellow Flint, first; Seymour A. Ryan, St. Albans, Vt., second. Baker Farm, So. Lincoln, Mass., Eight-Rowed Yellow Flint, first; Wm. Popple, St. Albans, Vt., second.

Alfalfa—Maples Farm, Berlin, Conn., first.

Oats and Barley—A. D. Collins, St. Albans, Vt., oats, first; Fred St. Jermain, St. Albans, Vt., second; C. N. McGowan, Fairfax, Vt., barley, first.

Pumpkins and Squashes—Anson Wheeler, Concord, Mass., pumpkins, first; F. G. Burnell, St. Albans, Vt., second. G. H. Arnold & Son, Braintree, Mass., Bay State Squashes, first; A. M. Beckwith, So. Sudbury, Mass., second. H. F. Hall, Brighton, Mass., Hybrid Squashes, first. Waban Gardens, Waban, Mass., general exhibit, first.

Cucumbers—H. F. Hall, Brighton, Mass., best box packed for market, first.

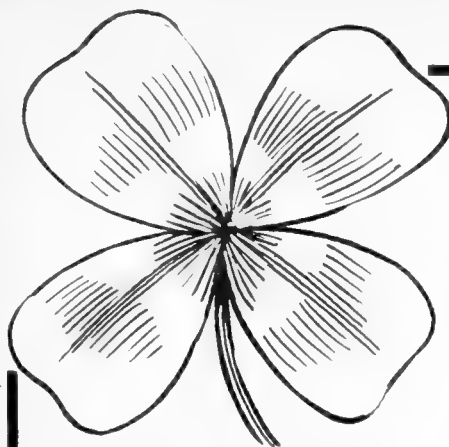
Noxious Seed Laws or the Restraint of Seed Trade.

We note from time to time in your valuable paper the announcement of some new seed law being placed on the statute books in the various States. Taking them as they are, we find they are all more or less drawn along the same lines, with the exception that some of them are more stringent than others, as they prohibit the sale of seeds containing certain weed seeds which in that particular State are considered noxious.

For instance, in North Dakota quack grass and Canada thistle are termed noxious seeds; in West Virginia dodder is termed a noxious seed; in North Carolina cheat (or chess) is also termed a noxious seed, and there are no doubt other States where similar laws are enacted.

The intent of any such legislation—if it were possible, is all right, but who can control Dame Nature that produces both pure and noxious seeds. We do not think there is today a pure seed law on the statute books that would be upheld before any Supreme Court, and further don't think it possible to have seed legislation, unless it be along the lines of adulteration or misbranding of seeds.

HENRY NUNGESSER & CO.,
New York.



TRUE IRISH SHAMROCK

SOWN NOW

will be in excellent condition for
St. Patrick's Day

Only Fresh Seed Will Germinate

Fresh Crop Seeds Now Ready

Trade Packet, 25c. 75c. Per Ounce

HENRY F. MICHELL CO.
518 Market Street, - PHILADELPHIA

Oats
Barley
Wheat

Swedish Specialties

Grown Under Government Control by the
ALL. SVENSKA UTSAEDES AKTIEB,
SVALOEF, SWEDEN

Descriptive pamphlet, prices and samples on application

SOLE AGENTS:

Loechner & Co., 11 Warren St.
New York

Oats
Barley
Wheat

CATALOGUES RECEIVED.

Stuart Low & Co., Bush Hill Park, Eng.—Special List of Fruit Trees.

F. W. Kelsey Nursery Co., New York City—Special Wholesale Price List of Trees, Shrubs and all Hardy Plants.

M. Herb, Naples, Italy.—Catalogue, No. 123, being a price list, illustrated, of novelties of M. Herb's raising, for 1912. The offers include some noteworthy and highly interesting novelties in annual flowers and bedding plants.

Sluis & Groot, Enkhuizen, Holland.—Advance Price List (October 20th), of Vegetable, Flower and Agricultural Seeds. As usual, a very important and complete wholesale list. Contract offers for delivery, fall 1912 and 1913, are promised for December mail.

NEWS NOTES.

Evansville, Ind.—Fire destroyed the warehouse of the Ohio Valley Seed Co., on Nov. 1, loss \$25,000.

Indianapolis, Ind.—The wholesale house of the Smith & Young Co., 134 North Alabama street, opened the first of the week.

Evergreen, Ala.—Chas. S. Lee & Co., dealers in hardy evergreens and other southern decorative stock have just completed a 50x100 packing house.

Indianapolis, Ind.—A block of land at Thirty-eighth street and Senate avenue has been purchased by F. Sidney Smith, wholesale grower, to be used in connection with his present business.

FANCY HAND PICKED ONION SETS

3-4 Inch Mesh
LOW PRICES

Orders booked now. Shipment January, February, March. **Samples** sent immediately on request. Yellow Danvers, Red Weathersfield, White Portugal, Silver Skins.

J. BOLGIANO & SON

Almost 100 Years Established Trade
Wholesale Seedsmen
Baltimore, Md.

Farquhar's Flower Seeds for The Florist

Write for our Wholesale
Catalogue

R. & J. FARQUHAR & CO.
Boston, Mass.

Established 1820

Thorburn's Bulbs

We offer high grade stock of the following while unsold:

LILIAM HARRISH, 7-9 inches in circum. at \$17.00 per case of 250 bulbs.
WHITE ROMAN HYACINTHS, 12-15 cms., at \$18.00 per 1000.
PAPER WHITE GRANDIFLORUS NARCISSUS, at \$8.00 per 1000.

Cash with order.

Only a limited supply left so speak quickly.

J. M. THORBURN & CO.
33 Barclay Street
NEW YORK

PEAS, BEANS, RADISH } Write for Prices
and all Garden Seeds

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

Wholesale
SEED GROWERS AND DEALERS



Wholesale Growers of
Onion, Lettuce, Sweet Peas
and other California Specialties

C. C. MORSE & CO.

48 Jackson St. SAN FRANCISCO, CAL.

BRIDGEMAN'S SEED WAREHOUSE
RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

CANE STAKES

AMERICAN, bundle 500, \$3.00; 1000, \$5.50.
BAMBOO from Japan, 100, 65c.; 1000, \$5.50.

The W. W. Barnard Co.
109-110 W. Kinzie St., CHICAGO

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

SEEDS, PLANTS, BULBS

All seasonable kinds of best
quality

Special prices on large lots

JAMES VICK'S SONS,
Seedsmen
ROCHESTER, N. Y.

COMPLETE STOCK FRENCH AND DUTCH BULBS

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

CHOICE BULBS

In great variety for present
planting—in-doors and out

THOMAS J. CREY CO.
32 South Market Street, Boston, Mass.

**FRESH CROP
ASPARAGUS PLUMOSUS
NANUS SEED**

(Greenhouse grown.) Due in December. We are now booking orders for both greenhouse and outside grown Asparagus Plumosus Seed. Write us.

S. S. SKIDELSKY & CO.
1215 Betz Bldg. Philadelphia.

...THE...

J. C. Robinson Seed Co.

Waterloo, Neb.

Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin Seed; Sugar, Flint and Field Seed Corns.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

ONION SEED

We have a choice lot of new crop Silver Skin or Portugal, also other varieties. Write for prices.

SCHILDER BROS.

CHILLICOTHE . . . OHIO

COLDWELL LAWN MOWERS

Hand—Horse—Motor

Known All Over the World

Catalogue on Request.

NEWBURGH, N. Y.

PRINTING Fruitmen, Horticulturists and Poultrymen should get their printing done by specialists. Write for prices to THE REX CO., Harrisburg, Pa.

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Aldine 880. Aldine 881. Aldine 882.

SAMUEL MURRAY

Kansas City, Mo.

913 Grand Ave.

All Orders Given Prompt and Careful Attention



WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of

TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP

96 Yonge St., - - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE

Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.

Members Florists' Telegraph Assn.

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

Limon, Colo.—I. L. Young, proprietor of Youngs Floral Co., has sold out and moved to Denver.

Willoughby, O.—A. Wilson, of the firm of Wilson & Knight, has sold his interest in the business to his partner, James Knight.

Seattle, Wash.—The affairs of the Northwestern Floral Co., 11th and Tacoma streets, are in the hands of a receiver, it is reported.

New York, N. Y.—Fire damaged the store of Peter F. McKenney, florist, on Forty-second street, on Nov. 3. He places his damage at \$1000.

Indianapolis, Ind.—The Fountain Square Flower Shop, Karl H. Schuck, proprietor, which opened for business last July, has gone out of business.

Shawnee, Okla.—The Brenner Floral Co., Broadway and Wall street and

STEAMER DEPARTURES

American.

New York, N. Y.—S'hampton...Nov. 18
Philadelphia, N. Y.—S'hampton...Nov. 25

Atlantic Transport.

Minnehaha, N. Y.—London...Nov. 18
Minnewaska, N. Y.—London...Nov. 25

Cunard.

Frederica, Boston-Liverpool...Nov. 14
Caronia, N. Y.—Mediterranean...Nov. 18
Mauretania, N. Y.—Liverpool...Nov. 22

Holland-America.

Noordam, N. Y.—Rotterdam...Nov. 14
Rotterdam, N. Y.—Rotterdam...Nov. 21

Hamburg-American.

Pres. Grant, N. Y.—Hamburg...Nov. 15
Amerika, N. Y.—Hamburg...Nov. 21

Leyland.

Bohemian, Boston-Liverpool...Nov. 14
North German Lloyd.

K. Cecille, N. Y.—Bremen...Nov. 14
Barbarossa, N. Y.—Bremen...Nov. 16

K. Albert, N. Y.—Mediterranean...Nov. 21
G. Washington, N. Y.—Bremen...Nov. 23

Red Star.

Lapland, N. Y.—Antwerp...Nov. 18
Vaderland, N. Y.—Antwerp...Nov. 25

White Star.

Baltic, N. Y.—Liverpool...Nov. 16
Majestic, N. Y.—S'hampton...Nov. 18

Zealand, Boston-Liverpool...Nov. 21
Celtic, N. Y.—Liverpool...Nov. 23

Oceanic, N. Y.—S'hampton...Nov. 25
Romanic, Boston-Mediterranean...Nov. 25

store at 123 North Broadway, have been bought out by the C. E. Franke Floral Co.

Cleveland, O.—Fred Aull, florist, 537 E. 105th street, was probably fatally hurt when a street car struck his wagon on Oct. 30. He sustained a fractured skull and internal injuries.

Baraboo, Wis.—Wm. Peck has sold his stock and leased his greenhouses to Wm. Toole & Sons. E. H. Toole will act as manager and R. H. Williams, previous manager, will look after local trade, having been made a partner. The store trade will be looked after by Mrs. Leona Jaeger.

New York.—Wertheimer Brothers report that the remarkable rush of fall business is continuing and they have made several important changes in the interior arrangement of their establishment to provide for the proper care of this increasing business.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill

Cable Address, ALEXCONNELL

NEW YORK

Orders for Steamer, Theatre, Hotel, or
Residence Carefully Filled.

Wm. H. LONG

412 Columbus Ave.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph and Cable address, Dardspier

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points, New York City, New Jersey, etc. At Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

BUFFALO

S. A. ANDERSON

440 MAIN STREET

Special Deliveries Niagara Falls
and Lockport

THE ROSERY

76 MAIDEN LANE

ALBANY, N. Y.

FLOWER DELIVERIES FOR ALBANY
AND VICINITY

"THE HOME OF FLOWERS"

The largest cut flower store in America. Orders for the TWIN CITIES and for all Northwestern points given prompt attention.

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

LOUISVILLE, KY.

JACOB SCHULZ.

550 South Fourth Ave.

SPEAKING OF THANKSGIVING

You'll need Baskets—lots of them for Chrysanthemums, American Beauties, Carnations. It's time to stock up. We have the finest and most varied stock of Standard, Special and Novelty Baskets and Stands, in Willow and Braid, Wicker, Metal, Rattan, Twig and Rush—in natural, antique, or art colors—simple or elaborate, in endless variety and sizes. Over thirty pages of photographs of baskets in our New Catalogue, showing hundreds of styles, and fully described. This superb album of florists' supplies, 11 x 14, over 100 pages of illustrations, prices and descriptive matter, is the most elaborate ever issued. A copy goes free to your address on request.

H. BAYERSDORFER & CO.

THE Florist Supply House of America

1129 Arch Street, - - - PHILADELPHIA, PA.

NEW ENGLAND FLOWER DELIVERIES

Send flower orders for delivery in Boston
and all New England points to

THOS. F. GALVIN
124 Tremont St., Boston

TRANSFER

Your orders for flower or plant deliv-
ery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston

BOSTON'S BEST In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN
194 Boylston Street, Boston

Littlefield

FLORIST

407 & 409 Main St.
Worcester, Mass.

H. F. A. Lange

WORCESTER, - MASS.

Delivers to all Points in New England.
125,000 square feet of glass.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by
Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Albany, N. Y.—The Rosery, 76 Maiden
Lane.

Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edw. MacMulkin, 194 Boylston
St.

Boston—Penn, the Florist, 37-43 Brom-
field St.

Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—Robert G. Wilson, Ful-
ton St. and Greene Ave.

Buffalo, N. Y.—Palmer's 304 Main St.
Buffalo, N. Y.—S. A. Anderson, 440 Main
St.

Chicago—Williams J. Smyth, Michigan
Ave. and 31st St.

Denver, Col.—Park Floral Co., 1643 B'way.
Detroit, Mich.—J. Breitmeyer's Sons,
Miami and Gratiot Aves.

Kansas City, Mo.—Samuel Murray, 912
Grand Ave.

Kansas City, Mo.—Wm. L. Rock Flower
Co., 1116 Walnut St.

Louisville, Ky.—Jacob Schulz, 550 South
Fourth Ave.
New York—David Clarke's Sons, 2129
2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.
New York—W. H. Long, 412 Columbus
Ave.

New York—Young & Nugent, 42 W. 28th.
New York—Dards, N. E. cor. 44th St.
and Madison Ave.

St. Paul, Minn.—Holm & Olson.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.
Washington, D. C.—Gude Bros., 1214 F
St.

Wellesley, Mass.—Tailby.
Worcester, Mass.—Littlefield, 407-409
Main St.

Worcester, Mass. H. F. A. Lange

Jerry V. Hock is erecting a hand-
some new store with dwelling above at
his place on Putnam avenue, Detroit.
To properly round up his place he ex-
pects to add at the end of the store a
greenhouse 150 feet long.

NEW FLOWER STORES.

Ft. William, Ont., Can.—Charles
Le Cocq.

Cleveland, O.—Miss O'Connor, 2650
Superior avenue.

Providence, R. I.—J. Hughes, 84
Westminster street.

Washington, D. C.—C. P. Grosse,
1424 P. street, N. W.

Plymouth, Mass.—The Kingston
Gardeners, Court street.

NEWS NOTES.

H. E. Le Page has purchased and
will continue the retail florist estab-
lishment conducted by Mrs. Albert
Lindstrom at Stamford, Conn.

A receiver was appointed for the
business of Henry L. Blind and Ed-
ward H. Blind, doing business as H.
L. Blind & Brother, in common pleas
court on October 30, Ernest C. Daum
being named. Bond of \$100,000 was
furnished. The firm conducts a florist
business at Liberty avenue and 5th
street and in Center avenue near
Aiken avenue.—Pittsburg *Post Sun*

BOSTON, MASS.

Penn the Florist

"Penn. The Telegraph Florist"
37-43 BROMFIELD STREET

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall
Schools. **TAILBY, Wellesley, Mass.**
Tel. Wellesley 44-1 and 2 Night 44-3

WHITE LILAC

PER BUNCH, \$1.25

We will have plenty of good lilac this season

BEAUTIES, per doz., \$1 to \$3

Good quality, excellent values

CATTLEYS, per doz., \$6

The Leo Niessen Co.

WHOLESALE FLORISTS

N. W. Corner
12th and Race Sts., **PHILADELPHIA**

**To Cut Flower Growers and
Retail Florists**

IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

THE BEST LETTERS

FOR
FLORIST'S
USE

R

THOSE
MADE
BY THE

Boston Florist Letter Co

66 PEARL ST., BOSTON

N. F. McCarthy, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock.

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

PETER REINBERG
WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

George B. Hart

WHOLESALE
FLORIST

24 Stone St., Rochester, N.Y.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention to shipping orders. Jobbers of Florists' Supplies, Seeds and Bulbs. Price list on application.

Phone Main 584, 316 Walnut St., Cincinnati

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

228 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	BOSTON Nov. 9	CHICAGO Nov. 7	ST. LOUIS Nov. 7	PHILA. Nov. 7
Ave. Beauty, Fancy and Special...	15.00 to 25.00	30.00 to 35.00	20.00 to 35.00	20.00 to 25.00
Extra.....	8.00 to 12.00	20.00 to 30.00	15.00 to 20.00	12.50 to 15.00
No. 1.....	4.00 to 6.00	15.00 to 20.00	8.00 to 12.00	6.00 to 8.00
Lower grades.....	1.00 to 3.00	10.00 to 15.00	4.00 to 6.00	4.00 to 5.00
Richmond, Chateaux, Fancy & Spl.	3.00 to 6.00	6.00 to 8.00	8.00 to 10.00	6.00 to 8.00
Lower grades.....	.50 to 2.00	3.00 to 5.00	3.00 to 6.00	3.00 to 4.00
Killarney, Maryland, Fan. & Spl.	3.00 to 6.00	6.00 to 10.00	8.00 to 10.00	6.00 to 8.00
Lower grades.....	.50 to 2.00	3.00 to 5.00	3.00 to 6.00	2.00 to 4.00
Bride 'Maid.....	.50 to 5.00	3.00 to 8.00	4.00 to 6.00	3.00 to 6.00
Taft, Hillingdon.....	5.00 to 8.00	.....	.....	6.00 to 10.00
CARNATIONS, First Quality..	1.00 to 1.50	2.00 to 3.00	2.00 to 3.00	3.00 to 4.00
Ordinary.....	.50 to .75	1.50 to 2.00	1.00 to 1.50	1.50 to 2.00
MISCELLANEOUS				
Cattleyas.....	25.00 to 35.00	35.00 to 50.00	40.00 to 50.00	40.00 to 50.00
Lilies, Longiflorum.....	6.00 to 8.00	8.00 to 10.00	10.00 to 15.00	10.00 to 12.00
Lily of the Valley.....	2.00 to 3.00	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00
Chrysanthemums.....	4.00 to 12.00	10.00 to 35.00	12.00 to 25.00	6.00 to 25.00
Violets.....	.25 to .75	.....	.25 to .50	.75 to 1.00
Sweet Peas.....	.....	.75 to 1.00	.....	.75 to 1.00
Gardenias.....	8.00 to 25.00	35.00 to 50.00	.....	15.00 to 35.00
Adiantum.....	1.00 to 1.50	.....	1.00 to 1.25	1.00 to 1.50
Smilax.....	12.00 to 15.00	12.00 to 15.00	12.50 to 15.00	12.50 to 15.00
Asparagus Plumosus, strings (100)	.....	50.00 to 75.00	35.00 to 50.00	.....
" " & Spreng. (100 bchs.)	16.00 to 35.00	25.00 to 50.00	17.00 to 25.00	35.00 to 50.00

J.A. BUDLONG

82-84-86 E. Randolph St., Chicago

**OUR STOCK IS A-1 AND IT IS QUALITY NOT
PRICES THAT TALKS**

Chicago Flower Growers' Association

Wholesale Growers of Cut Flowers and Plants

176 N. MICHIGAN AVE., BETWEEN RANDOLPH AND LAKE STREETS, CHICAGO

HENRY M. ROBINSON & CO.
15 Province St., 9 Chapman Pl.,
BOSTON, MASS.

Everything in Flowers
Complete Stock of Florists' Greens,
Three Floors of Florists' Supplies.

ROBERT J. DYSART
Public Accountant and Auditor

Simple methods of correct accounting
especially adapted for florists' use.
Books Balanced and Adjusted
Merchants Bank Building
28 STATE ST. - BOSTON
Telephone, Main 58.

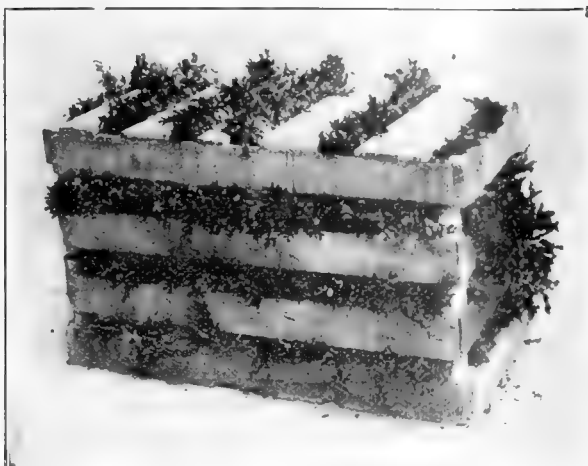
Flower Market Reports

BOSTON The present week with its sunny skies and chrysanthemum invasion shows no improvement over the preceding week, and there is no immediate prospect for any change for the better. Dealers are pessimistic and see a troublesome fortnight ahead. Chrysanthemums are at their height of quality and quantity. That good old standby Major Bonnaillon maintains the lead in popularity and general usefulness. Carnations are up to prize winning quality but that does not help them greatly on price obtainable. Roses are also very good. Gardenias more plentiful and improving in quality.

Trade is good and the **CHICAGO** market is in a very satisfactory condition. Stock is just plentiful enough to keep prices right and quality is excellent. Chrysanthemums are queens of the day and every possible variation of this favorite is now to be had, the pompons receiving their full share of attention. It is a question if the absence of the annual flower show has not increased rather than lessened the local sale of chrysanthemums this fall. Those who grow the big fancy blooms are having orders for them from the exhibitors at the neighboring shows and they bring fancy prices accordingly. Violets, both single and double, are selling at moderate prices and do not take an important place in the market yet. Lily of the valley is of several grades, the best selling most readily. Roses cannot be said to be scarce but there are few left each day and large orders are usually followed by a search for stock. My Maryland is a favorite at this time, quality and color both being very good. Cattleyas are in good demand. Cosmos grown under glass are a new addition this year, some blooms at J. A. Budlong's being four or more inches in diameter and they are taking well, being excellent keepers.

Business runs along **CINCINNATI** merrily. The supply is large and the demand very good. The call from the shipping trade is large. The over supply of small chrysanthemums is at an end, while the glut of white roses, owing to very large offerings, continues in spite of good sales. Other colors clean up quickly each day. More carnations could easily be used. The darker shades are coming in stronger and are selling as well as the lighter ones. All good chrysanthemums move quickly with the medium sizes as the most favored by the buyers. Easter lilies are again good property for the wholesalers. The supply of violets, both double and single is far short of the request for same. Lily of the valley and orchids are enjoying a good market. All lines of greens are in demand and there is a good supply of the same.

The conditions prevalent in the wholesale market generally are still as they have been reported for the past two weeks with the situation even more aggravated on some lines. Accumulations of many staples are on all sides and no reasonable outlet is



BOX- WOOD SPRAYS

New crop now in, exceptionally fine stock, dark glossy green, no surplus wood. The choicest lot we've ever received. We are the introducers and the headquarters of this valuable green.

50 lb. crates, \$7.50. Special prices to the middleman

LYCOPodium

Splendid quality, full and green, not dried out on account of being gathered too long. Deliveries any time, the bulk coming in the latter part of November and early in December. At present we quote it at 8c. a pound; future quotations on application.

Distributing Agents for the great new roses of 1912

DOUBLE WHITE KILLARNEY and KILLARNEY QUEEN (The Budlong Strain)

Grafted, \$250.00 per 1,000.

Own Root, \$200.00 per 1,000.

RIBBONS and SUPPLIES

Many new patterns in exclusive ribbons this fall. Write us. Send for our price list of supplies.

S. S. PENNOCK-MEEHAN CO.

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NEW YORK
109 W. 28th Street

PHILADELPHIA
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1212 New York Ave.

WHOLESALE FLOWER MARKETS.—TRADE PRICES—Per 100 TO DEALERS ONLY

	CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
	Nov. 7		Nov. 7		Nov. 7		Oct. 31	
ROSES								
Am. Beauty, Fan, and Sp.....	25.00	to 30.00	30.00	to 25.00	20.00	to 25.00	.....	to 25.00
" Extra.....	20.00	to 25.00	18.00	to 20.00	15.00	to 20.00	.....	to 20.00
" No. 1.....	15.00	to 20.00	12.00	to 18.00	8.00	to 10.00	.....	to 15.00
" Lower grades.....	8.00	to 12.00	4.00	to 10.00	3.00	to 4.00	6.00	to 10.00
Richmond, Chatenay, Fan, & Spl...	6.00	to 8.00	6.00	to 8.00	6.00	to 8.00	6.00	to 8.00
" Lower Grades.....	3.00	to 6.00	4.00	to 6.00	2.00	to 4.00	2.00	to 4.00
Killarney, Maryland, Fan, & Spl...	6.00	to 8.00	6.00	to 8.00	6.00	to 8.00	6.00	to 8.00
" Low. Grades.....	3.00	to 6.00	4.00	to 6.00	2.00	to 4.00	2.00	to 4.00
Bride, 'Maid,.....	3.00	to 6.00	4.00	to 8.00	3.00	to 6.00	.....	to 8.00
Taft, Hillingdon.....	3.00	to 6.00	.....	to 5.00	5.00	to 8.00	2.00	to 8.00
CARNATIONS, First Quality.....	.....	to 3.00	3.00	to 4.00	2.00	to 2.50	1.50	to 3.00
Ordinary.....	1.50	to 2.00	.....	to 3.00	1.00	to 1.50	1.00	to 1.50
MISCELLANEOUS								
Cattleyas.....	.....	to 25.00	.....	to 50.00	.....	to 60.00	.....	to 50.00
Lilacs, Longiflorum.....	10.00	to 12.50	1.50	to 15.00	10.00	to 12.00	.....	to 12.00
Lily of the Valley.....	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Chrysanthemums.....	4.00	to 25.00	4.00	to 25.00	4.00	to 20.00	8.00	to 25.00
Violets.....	.....	to .50	.....	to .75	.....	to .60	.....	to .50
Sweet Peas.....	.....	to 1.00	.....	to .50	.....	to 1.00	.....	to 1.00
Gardenias.....	.....	to 1.00	.....	to 1.00	.....	to 1.00	.....	to 1.00
Adiantum.....	1.00	to 1.50	1.00	to 1.50	.75	to 1.50	.....	to 1.25
Smilax.....	12.50	to 15.00	.....	to 15.00	.....	to 15.00	15.00	to 20.00
Asparagus Plumosus, strings (100)	40.00	to 50.00	17.00	to 25.00	40.00	to 60.00	.....	to 50.00
" " & Spren. (100 bchs.)	25.00	to 35.00	.....	to 25.00	25.00	to 35.00	30.00	to 40.00

open to the holders. It is at such times as this that New York growers and dealers feel keenly the need of the extensive shipping outlets they once enjoyed, and it should be a very proper subject for them to take under serious consideration to ascertain, if possible, the reasons for the elimination of New York's out-of-town demand while other large markets have

been able to hold theirs thus far, and whether it may be possible to regain any part of what has been lost. It is evident to everyone that for a very considerable portion of the year—the period increasing, too, with each year—the production of flowers for this market is too large for the local needs and the train of evils that follow in

(Continued on page 678)

M. C. FORD
 Successor to
FORD BROTHERS
 121 West 28th Street NEW YORK
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 A Full Line of All CUT FLOWERS.
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Wholesale Commission Florist **SELLING AGENT FOR LARGEST CROWERS**
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GARDENIAS, DAISIES, ROSES AND CARNATIONS
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NEW YORK QUOTATIONS PER 100. To Dealers Only

	Last Half of Week ending Nov. 4 1911	First Half of Week beginning Nov. 6 1911
ROSES AND CARNATIONS		
American Beauty, Fancy and Special.....	15.00 to 35.00	15.00 to 25.00
" " Extra.....	10.00 to 15.00	10.00 to 15.00
" " No. 1.....	4.00 to 8.00	4.00 to 8.00
" " Lower Grades.....	1.00 to 3.00	1.00 to 4.00
Richmond, Chatenay, Extra and Special.....	2.00 to 8.00	2.00 to 8.00
" " Lower Grades.....	.50 to 2.00	.50 to 2.00
Killarney, My Maryland, Extra and Special.....	2.00 to 6.00	2.00 to 6.00
" " Lower Grades.....	.50 to 2.00	.50 to 2.00
Bride, Field.....	.25 to 4.00	.50 to 4.00
Taft, Hillingdon.....	2.00 to 5.00	2.00 to 8.00
Carnations, First Quality.....	2.00 to 4.00	2.00 to 3.00
" " Ordinary.....	1.00 to 2.00	1.00 to 2.00

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WHOLESALE FLORISTS
Choice Cut Flowers
 CONSIGNMENTS SOLICITED
 54 West 28th St., NEW YORK
 Prompt Payments. Telephone 3559 Madison Sq.

FRANK MILLANG
Wholesale Florist
 55-57 West 26th St., NEW YORK
 Shipments, any quantity, Wholesale Market Rates.



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 WHOLESALE COMMISSION FLORISTS
 Consignments Solicited
Hardy Fancy Fern Our Specialty
 38-40 BROADWAY, DETROIT, MICH

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WILLIAM F. KASTING Co.
Wholesale Florists
 383-387 ELLICOTT ST. - - BUFFALO, N. Y.

Flower Market Reports.

(Continued from page 677)

consequence of such a situation is a long one and widespread, and not only disastrous but degrading to the entire floral industry. When the subject does finally force itself for attention and action it will call for the exercise of the best ability and brains which every department can jointly supply, and it will have to be worked out on much broader lines than mere details of marketing and salesmen's commissions.

Trading here the past week was not particularly brisk. It might be called a fair week, but lacking in tone. That "life and snap" which traders so love to see was conspicuous by its absence. Chrysanthemums are now the leaders, of course, and there are some grand flowers coming in. That glorious variety, Bonnaillon, is easily the peer of them all, and is a prime favorite with growers, wholesalers, retailers and the public. Other good ones just now are Maud Dean, Dr. Enguehard and Appleton. Roses are plentiful and quality fully up to standard for the season. The best seller at present is American Beauty and it is showing splendid all-around form. Killarneys are also excellent, especially the double pink. Richmonds have improved greatly. Mrs. Taft is coming in in quantity and in conspicuously good form. The orchid market is now in much better shape and the demand is good for the three principal sorts on offer: cattleya, dendrobium and oncidium. There is more activity also in the carnation market and while prices have not advanced they hold firmer to quoted rates. Violets are almost worthy of being called a bright spot in the market. They move off very well and at satisfactory figures. Outside stock is over, even the ironclad cosmos having at last succumbed in this vicinity. The greens market is still rather sluggish, although adiantum is selling better. New crop wild smilax is selling well at the reduced price this season.

Washington was last week visited by a killing frost which about caused the end of outdoor stock. Dahlias and cosmos are not so plentiful for which indoor growers are duly thankful and their stock is coming along in much better shape. There has been some what of a scarcity of roses and carnations but what has come into the market moved well. The

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Nov. 4 1911	First Half of Week beginning Nov. 6 1911
Cattleyas.....	25.00 to 35.00	25.00 to 40.00
Lilies, Longiflorum.....	3.00 to 4.00	3.00 to 4.00
Lily of the Valley.....	1.00 to 2.00	1.00 to 2.00
Chrysanthemums.....	4.00 to 16.00	4.00 to 25.00
Violets.....	.15 to .40	.15 to .40
Gardenias.....	12.00 to 25.00	12.00 to 25.00
Adiantum.....	.50 to .75	.50 to .75
Smilax.....	6.00 to 8.00	6.00 to 8.00
Asparagus Plumosus, strigs.....	..... to 35.00	..... to 35.00
" " & Spreu. (100 bchs).....	10.00 to 20.00	10.00 to 20.00

demand for greens has slackened up perceptibly, probably due to the fact that there is plenty to be had. Lily of the valley is moving along well. Smilax is going slow. Chrysanthemums are bringing low figures; they are of exceptionally good quality however. Cattleyas are not as plentiful as heretofore—in fact, the supply hardly meets the demand so far as good stock is concerned. New York violets are good and are selling to advantage. As to roses, locally-grown American Beauties, Enchanter, Richmond and other high-grade varieties never were better and are holding price well. The call for flowers and greens in large quantities has diminished and business is quiet as compared with past weeks.

Business has become more steady during the last week. Buying has been quite heavy all week—there has been plenty of good stock to supply it. Wholesale consignments have not been very heavy. Chrysanthemums have the call and are selling well. Of roses the market has plenty but carnations are not in plenty. Prices on general stock remain as at last report.

PHILADELPHIA NOTES.

A very important suit was decided in favor of M. Rice & Co. before the full board of Custom Appraisers in New York last week, M. Rice & Co.'s contentions being sustained on every point. A very unusual occurrence.

Visitors: William J. Halliday, Baltimore, Md.; Phil. Foley, Chicago, Ills.; Stephen Mortensen, Southampton, Pa.; John R. Andre, Doylestown, Pa.; W. A. Simpson, Baltimore, Md.

Cambridge, Mass.—A partnership has been formed by Myer Wax and Michael R. Friedman to take over the business of the dissolved partnership of Myer Wax and Jennie Friedman. They have been doing business under the name of "Wax, the Florist," at 676 Massachusetts avenue.

Ithaca, N. Y.—A. C. Beal has been appointed professor of horticulture at Cornell University.

FLORISTS' HARDY SUPPLIES

Dagger and Fancy Ferns, Moss, Galax, Laurel Roping, Southern Smilax, Boxwood, Etc.

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 70 PEMBERTON SQ., BOSTON

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*I must be in the swim,
 You might forget my name,
 And say that I am to blame,
 If you do not get the best.*

Christmas Trees, Spruce or Balsam, from one foot to thirty, in any quantity; Baled Spruce, Balsam, Hemlock Boughs, Laurel and Evergreen Festooling and Wreaths, Sphagnum Moss, Hardy Cut Fancy and Dagger Ferns. Yearly Contracts Made. Send for Price List and order your Christmas Trees now. **GET THE BEST.**

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Green Galax, \$3.50 per case of 10,000; 100 per 1000. All large sizes if preferred. All stock only.

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ACHYRANTHES

Achyranthes, rooted cuttings: Metallica, Lindenli, Warszewiczii, \$6.00 per 1000; P. de Bailey, \$10.00 per 1000; 2 in., \$2.50 per 100.

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Ageratum, Stella Gurney, 2 in., Princess Pauline, 2 in., \$2.00 per 100.

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Henry A. Dreer, Inc., Philadelphia, Pa.
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A. N. Pierson, Inc., Cromwell, Conn.
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Asparagus Plumosus, extra fine 3-inch stuff, \$5.00 per 100, \$45.00 per 1000. **P. Rieth, Downers Grove, Ill.**

Asparagus plumosus seedlings, clumps, sprays and seeds. Write for prices. **Peter Black, Orlando, Fla.**

Asparagus plumosus, 2 1/4-in. pots, \$3.00 per 100; \$25.00 per 1000. Asparagus Sprengeri, 2-in. pots, \$2.00 per 100; 4-in. pots, heavy, \$10.00 per 100.

Storrs & Harrison Co., Painesville, Ohio.

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A. Lenth & Co., Rosindale, Mass.
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Tree variety goods. Quality guaranteed. Write us your requirements. **Jones, The Holly Wreath Man, Milton, Delaware.**

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Folding cut flower boxes, the best made. Write for list. **Holton & Hunkel Co., Milwaukee, Wis.**

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Seasonable Bulbs.

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Richards Bros., 37 East 19th St., New York.
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James Vick's Sons, Rochester, N. Y.
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John Lewis Childs, Flowerfield, L. I.
Fall Bulbs.

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The W. W. Barnard Co., Chicago, Ill.
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Fottler, Flake, Rawson Co., Boston, Mass.
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E. S. Miller, Wading River, N. Y.
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300 Enchantress, \$5.00 per 100; 200 Windsor, \$4.00 per 100. Field grown, best of stock. Bid on the lot. **O. L. Baird, Dixon, Ill.**

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Split carnations quickly, easily and cheaply mended. **Pillsbury's Carnation Staple, 2000 for \$1.00 post paid. I. L. Pillsbury, Galesburg, Ill.**

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Elmer D. Smith, Adrian, Mich.
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Chrysanthemums, rooted cuttings, Monrovia, Polly Rose, \$12.00 per 100. Violets, Princess of Wales, \$6.00 per 100; \$50.00 per 1000. **Chas. Lenker, Freeport, L. I., N. Y.**

Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Now is the time for you to get a few of the much talked of and finest earliest white chrysanthemum, Smith's Advance, guaranteed true to name, 3 for \$1.00. Extra strong 2 in. plants, ready now, at \$1.25 per dozen, or \$10.00 per 100. **Cash. Jos. F. Klimmer Est., 812 Dunlap Ave., Forest Park, Ill.**

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20th Century Plant Food Co., Beverly, Mass.
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COLEUS

Coleus, 2-in. rooted cuttings, Beckwith's Gem, Golden Bedder, \$6.00 per 1000; 2-in. Paster, red and yellow, Beckwith's Gem, Golden Bedder, Verschafeltii, \$2.00 per 100.

THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

CYCLAMENS

Cyclamen—Best Varieties in different colors, 3 inch pots, strong plants, \$10.00 per 100, \$80.00 per 1000. **Julius Roehrs Company, Rutherford, N. J.**

CYCLAMEN GIGANTEUM SEED. Finest plants; in choicest mixtures, grand. 250 seeds, \$1.00; 1/4 pkt., 50c.; 1000 seeds, \$3.50. **John F. Rupp, Shiremanstown, Pa.**

Giant cyclamen, our own grown strain, selected from the very best and well built plants and flowers. Seed, \$1.00 per 100, \$6.00 per 1000; nearly all sold out. August seedlings, \$2.00 per 100; \$18.00 per 1000. Plants, well set with buds, 4-in., \$18.00 and \$25.00 per 100. Orders amounting to \$25.00, 10 per cent. off. Here is one of the many letters we received from satisfied customers: **E. A. Butler & Son, Niagara Falls, N. Y., say, "The plants are excellent, the finest we have ever had and, if the seed this year is of the same quality, we will be perfectly satisfied." Our aim has been to and we have improved our strain every season. Cultural directions with every order. C. Winterich, Cyclamen Specialist, Defiance, O.**

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Md.

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Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? **Geo. H. Walker, Dahlia Export, North Dighton, Mass.**

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John Scott, Brooklyn, N. Y.
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DRACAENAS.

Dracaena indivisa, fine stock; 3-in., \$5.00
per 100; 4-in., \$7.00 per 100.
Sable Bros., Fredonia, N. Y.

DRACAENA INDIVISA.

Strong plants ready for 5 in. pots,
\$10.00 per 100.
Vern L. Schluraff, Erie, Pa.

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John Scott, Brooklyn, N. Y.
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Robert Craig Co., Philadelphia, Pa.
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Frank Oechslein, 4911 Quincy Street,
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Ferns for Dishes.

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Special Roosevelt Ferns.

J. A. Peterson, Westwood, Cincinnati, O.
Asplenium nidus Avis and *Pandanus*
Veitchii.

Roman J. Irwin, New York, N. Y.
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Boston Ferns, 5 in., 6 in., 7 in. pots, \$3.00,
\$6.00 and \$9.00 a dozen. **Andrew P. Peterson,**
South Lincoln, Mass.

Anderson's ferns for in and outdoors.
Largest commercial collection in the country.
Ask for descriptive catalogue. **J. F. Anderson,** Fern Specialist, Short Hills, N. J.

Boston Ferns—6-inch pots, 45c. each,
\$4.00 per 100. **Whitman Ferns, 4-inch, 20c.**
each, \$15.00 per 100; 5-inch, 30c. each,
\$25.00 per 100; 6-inch, 45c. each, \$40.00 per
100; 7-inch, 60c. each, \$55.00 per 100; 8-inch,
75c. each, \$70.00 per 100. *Ficus Elastica,*
85c., 50c. and 75c. each. Cash please.
Queen City Floral Co., Manchester, N. H.

Fern dish ferns, Heavy 2 1/2-in. pot plants,
\$3.00 per 100; \$25.00 per 1000. **Boston ferns,**
5-in. pots, \$25.00 per 100; 6 in., \$40.00 per
100.

Storrs & Harrison Co., Painesville, Ohio.

FERTILIZERS

20th Century Plant Food Co., Beverly, Mass.
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Pulverized Manure Co., 31 Union Stock
Yards, Chicago, Ill.

Wizard Brand Cattle Manure.
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Hardwood ashes, best fertilizer on earth
for lawns and gardens. **George Stevens,**
Peterborough, Ont., Canada.

FEVERFEW

Feverfew. Rooted cuttings, \$2.00 per 100,
or \$18.00 per 1000. **Adolph E. E. Koch,**
Nohscot, Mass.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
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FLORISTS' LETTERS

Boston Florist Letter Co., 66 Pearl St.,
Boston, Mass.
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9 Chapman Place, Boston, Mass.
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M. Rice & Co., 1220 Race St., Phila., Pa.
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Reed & Keller, 122 W. 25th St., New York.
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Thanksgiving Baskets.

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Peters & Reed Pottery Co., Zanesville, O.
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GALAX

Michigan Cut Flower Co., 38 and 40 Broad-
way, Detroit, Mich.
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Kervan Co., New York.
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Mt. Mitchell Decorative Evergreen Co.,
Harvard, N. C.

Green Galax and Leucothoe Sprays.

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GENISTAS

Genista racemosa, 6-in. pot plants, \$25.00
per 100.
Storrs & Harrison Co., Painesville, Ohio.

GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh,
Maryland.
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Geraniums, standard varieties, 2 1/2-in.,
\$2.00 per 100. Ready now.

Sable Bros., Fredonia, N. Y.

Pelargo and Scented Rose Geraniums,
2 1/2-inch., \$3.00 per 100. **P. Rieth, Downers**
Grove, Ill.

Geraniums, standard varieties, 2 1/2-inch,
\$2.50 per 100, \$22.50 per 1000; or will ex-
change part for Vinca root runners. **P.**
Rieth, Downers Grove, Ill.

Geraniums, S. A. Nutt 2 in., Rose 2 in.,
\$2.00 per 100.

THE GEO. WITTOLD CO.,
Edgebrook, Chicago, Ill.

GLASS

Boston Plate & Window Glass Co., Boston
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Standard Plate Glass Co., 26-30 Sudbury
St., Boston.
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25th and 26th Sts., Chicago.
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Sharp, Partridge & Co., 22d and Lumber
Sts., Chicago.
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Parshelsky Bros., Inc., 215-217 Havermeyer
St., Brooklyn, N. Y.
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Metropolitan Material Co., 1392-1402 Metro-
politan Ave., Brooklyn, N. Y.

Greenhouse glass, lowest prices. John-
ston Glass Co., Hartford City, Ind.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.

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GNAPHALIONS.

Gnaphalium Lanatum cuttings, 2 in.
\$2.30 per 100.

THE GEO. WITTOLD CO.,
Edgebrook, Chicago, Ill.

GREENHOUSE BUILDING MATERIAL

A. T. Stearns Lumber Co., Neponset,
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Pierson U-Bar Co., Madison Ave., New York
Designer and Builder.

Lord & Burnham,

1133 Broadway, New York.

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Hitchings & Co., 1170 Broadway, N. Y.

GUTTERS

King Construction Co., N. Tonawanda, N. Y.
King Channel Gutters.

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HAIL INSURANCE

Florists' Hall Assn. of America.
J. G. Esler, Saddle River, N. J.

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28 and 40 Broadway, Detroit, Mich.
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Hartford & McDonough, Boston, Mass.
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H. J. Smith, Hinsdale, Mass.
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Kroeschell Bros. Co., 466 Erie St., Chicago.
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Lord & Burnham Co.,
1133 Broadway, New York.

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HELIOTROPE

Heliotrope, rooted cuttings, \$6.00 per 1000.
Heliotrope, 2 in., \$2.00 per 100.

THE GEO. WITTOLD CO.,
Edgebrook, Chicago, Ill.

HERBACEOUS PLANTS

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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New England Nurseries, Bedford, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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HEMEROCALLIS LILY

Fulva \$2.50 per 100. C. S. Harrison's
Select Nursery Co., York, Neb.

HOSE

H. A. Dreer, Philadelphia, Pa.
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HOT-BED SASH

A. T. Stearns Lumber Co., Neponset, Mass.
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Foley Mfg. Co., Chicago.
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Lord & Burnham Co., 1133 Broadway, N. Y.
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HYDRANGEA

R. Pierson Co., Tarrytown-on-Hudson,
New York.

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In writing to Advertisers kindly mention Horticulture

HYDRANGEAS—Continued

Hydrangea Otaksa, fine pot grown stock, 4-in., 2 to 3 shoots, \$15.00 per 100; 5-in., 2 to 3 shoots, \$20.00 per 100; 6-in., 3 to 5 shoots, \$25.00 per 100.
Hydrangea Otaksa, field grown. Extra specimens for large tubs, 12 to 15 shoots, \$1.00 each.

Storrs & Harrison Co., Painesville, Ohio.

INSECTICIDES

Eastern Chemical Co., Boston, Mass.
Imp. Soap Spray.

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Nicotide kills all greenhouse pests.

P. R. Palethorpe Co., Owensboro, Ky.

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Stumpp & Walter Co., New York.

Killed Tobacco Dust.

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Applene Manufacturing Co., Madison, N. J.

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E. H. Hunt, Chicago, Ill.

To-Bak-line Products.

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Wilson Plant Oil and Fertilizer Co.,

Elizabeth, N. J.

Wilson Plant Oil.

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Acme Nicotine Insecticides sold direct to the grower. Acme 45 per cent. Liquid, pint \$1.75; gallon \$12.50. Acme Fumigating Paper, case of 288 sheets \$5.50. Sample can of 24 sheets 60 cents, postpaid. J. P. Beermaker, 9 Washington Ave., St. Louis, Mo.

IRISES.

Henry A. Dreer, Inc., Phila., Pa.

Imperial Japanese Iris.

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IRIS. All of the leading varieties. C. S. Harrison's Select Nursery Co., York, Neb.

IVIES

Ivy, German, 2 in., \$2.00 per 100.

THE GEO. WITTBOLD CO.,

Edgebrook, Chicago, Ill.

JERUSALEM CHERRIES

JERUSALEM CHERRIES, pot grown, strong and well berried plants, 4-in., \$10.00 per 100. Cash, please. F. Sokol, Worcester, Mass.

KENTIAS.

Bobbink & Atkins, Rutherford, N. J.

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A. Leuthy & Co., Roslindale, Mass.

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LANDSCAPE GARDENING COURSE.

Home Correspondence School, Springfield,

Mass., Dept. 8.

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LANTANAS.

Lantana Delicatissima, 2 in., \$2.00 per 100.

THE GEO. WITTBOLD CO.,

Edgebrook, Chicago, Ill.

LAUREL

Laurel wreaths, roping and branches furnished on short notice. Jones, The Holly Wreath Man, Milton, Delaware.

LILAC

Rouen, 3 to 4 feet, six to fifteen branches, an ideal hedge as it stands, \$10.00 per 100. C. S. Harrison's Select Nursery Co., York, Neb.

LILIUM HARRISII

F. R. Pierson Co., Tarrytown-on-Hudson,

N. Y.

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LILIUM MULTIFLORUM AND GIGANTEUM

R. M. Ward & Co., New York, N. Y.

Horse Shoe Brand.

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MARGUERITES

Marguerites, white and yellow cuttings, \$6.00 per 1000.

Marguerite plants, yellow, 2 in., \$2.00 per 100; \$15.00 per 1000.

THE GEO. WITTBOLD CO.,

Edgebrook, Chicago, Ill.

MASTICA

F. O. Pierce Co., New York, N. Y.
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MATS FOR COLD FRAMES

Wm. Elliott & Sons, New York, N. Y.
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George C. Watson, Phila., Pa.
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NICO-FUME

Kentucky Tobacco Product Co.,
Louisville, Ky.

NIKOTEN APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.

NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.
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Bobbink & Atkins, Rutherford, N. J.

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Bay State Nurseries, North Abington,

Mass.

Hardy, Northern Grown Stock.

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McHutchison & Co., New York, N. Y.

Direct Importations.

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F. E. Conine Nursery Co., Stratford, Conn.

Large Evergreens, Deciduous Trees, Large

Shrubs, Etc.

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Olmsted Bros., Brookline, Mass.

English Elms Wanted.

Elizabeth Nursery Co., Elizabeth, N. J.

Shrubs, Herbaceous Plants, Privet.

TREES, SHRUBS, ROSES, EVER-

GREENS, PEONIES, HARDY PLANTS.

Ellwanger & Barry, Rochester, N. Y.

Manual of the Trees of North America,

by C. S. Sargent, mailed to your address

for \$6.00 by Horticulture Publishing Co.,

11 Hamilton Place, Boston.

ONION SEED.

Schilder Bros., Chillicothe, O.
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ONION SETS

Leonard Seed Co., Chicago, Ill.

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S. D. Woodruff & Sons, New York, N. Y.

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ORCHID FLOWERS

Jas. McManus, New York, N. Y.

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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.

Fresh Imported and Established Orchids.

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Ordenez Bros., Madison, N. J., Box 108.

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Julius Roehrs Co., Rutherford, N. J.

Hybrid Orchids.

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Sander, St. Albans, England.

Importer, Exporter, Growers, Hybridists.

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Orchids—largest stock in the country.

Stove plants and Crotons, finest collection.

Julius Roehrs Co., Rutherford, N. J.

Orchid Growers' Manual. By B. S. Wil-

liams, 300 illustrations, 800 pages; descrip-

tions of upwards of 2500 species and varie-

ties of orchidaceous plants, etc. The most

complete work on Orchids and orchid cul-

ture ever published. Price \$10.00. Orders

filled by HORTICULTURE, 11 Hamilton

Place, Boston.

Edward V. Low, late of Hugh Low &

Co., dissolved, Vale Bridge, Haywards

Heath, England. "White" Cattleyas and

Choice Cypripediums are leading features.

PALMS, ETC.

Henry A. Dreer, Inc., Philadelphia, Pa.
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PALMS, ETC.—Continued

A. Leuthy & Co., Perkins St. Nurseries,
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John Scott, Brooklyn, N. Y.

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Julius Roehrs Co., Rutherford, N. J.

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Joseph Heacock, Wyncote, Pa.

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PANDANUS.

Henry A. Dreer, Inc., Philadelphia, Pa.
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PANSIES

We offer seedlings of Giant Pansies, mixed, Calliopsis grandiflora and Sweet Williams at 35c., 100; \$2.75, 1000. Russell Bros., Syracuse, N. Y., Route 4.

PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
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PECKY CYPRESS BENCHES

Foley Mfg. Co., Chicago.

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A. T. Stearns Lumber Co., Boston, Mass.

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PEONIES

Henry A. Dreer, Inc., Philadelphia, Pa.
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"Fragrans," late dark pink, large divisions, \$6.00 per 100, \$50.00 per 1000. Chas. Lenker, Freeport, L. I., N. Y.

PEONIES. Send for our wholesale list. C. S. Harrison's Select Nursery Co., York, Neb.

PHLOX

Henry A. Dreer, Inc., Philadelphia, Pa.
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PHLOX. Field grown. C. S. Harrison's Select Nursery Co., York, Neb.

PLANT STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

PIPE AND FITTINGS

Foley Mfg. Co., Chicago.

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Kroeschell Bros., Co. 468 Erie St., Chicago.

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Metropolitan Material Co., Brooklyn, N. Y.

POTASH

German Kali Works, Baltimore, Md.

POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp. \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

POULTRY AND FARM REVIEW.

The Rex Company, Harrisburg, Pa.
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PRIMULAS

Roman J. Irwin, New York, N. Y.
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PRINCESS PINE

Ground pine, guaranteed quality, delivery Nov. and Dec. Price \$8.00 per 100 lbs. Jones the Holly Wreath Man, Milton, Del.

PRINTING.

The Rex Company, Harrisburg, Pa.
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PRIVET

California Privet, any quantity, size, age. Others say ours is the best grown. Write for prices; also on shrubbery, ornamentals, fruit trees, asparagus, etc. Franklin Davis Nursery Co., Baltimore, Md.

PRIVET—Continued

Half a million privet. Strong, heavy, well furnished stock, 18 to 24 in. \$15.00 per 1000; 2 to 3 ft., \$20.00 per 1000; 3 to 4 ft., \$25.00 per 1000. Dwarf and specimen evergreens, shrubbery and trees in all varieties.

AMERICAN NURSERY CO.,
Singer Bldg., New York, N. Y.

RHODODENDRONS

P. Ouwerkerk, Hoboken, N. J.
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Bobblink & Atkins, Rutherford, N. J.
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RHUBARB ROOTS

Mammoth Red rhubarb. Strong 1-yr. plants for forcing or growing on, \$2.50 per 100; 2-yr., extra large, \$6.00 per 100.
Wm. Eschrich Co., North Milwaukee, Wis.
RHUBARB ROOTS, extra large clumps for forcing, \$20.00 per 100; strong divided clumps for replanting, \$5.00 per 100. Best kind for the market; red stalks.
Sluis Seed Store, 544 W. 63rd St., Chicago.

RIBBONS AND CHIFFONS

M. Rice & Co., 1220 Race St., Phila., Pa.
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RUBBER STAMPS, STENCILS.

The Rex Company, Harrisburg, Pa.
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SALVIAS

Salvia, rooted cuttings: Bonfire, Zurich, \$6.00 per 1000.
THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

SANSEVIERIAS

Sansevierias, 4 in., 20c. each, \$2.25 doz.
THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

SEED GROWERS

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C. C. Morse & Co., San Francisco, Calif.
Onion, Lettuce, Sweet Pea Seeds.
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Peas, Beans, Radish and all Garden Seeds.
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James Vick's Sons, Rochester, N. Y.
All Leading Varieties of Seeds.
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J. Bolgiano & Son, Baltimore, Md.
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Lochner & Co., New York, N. Y.
Swedish Specialties, Oats, Barley, Wheat.
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SHEET MOSS

The very best quality obtainable. For early orders we will offer inducing prices.
Jones, The Holly Wreath Man, Milton, Delaware.

SOLANUM

Solanum Aculeatissimum, 6 in. strong plants, 50c. each, \$5.00 doz. **Capsicum** (Jerusalem Cherry), 5 in., \$2.00 doz., \$15.00 per 100; 6 in., \$3.00 doz.
THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

SPHAGNUM MOSS

H. J. Smith, Hinsdale, Mass.
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Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

SPRAYERS

Chas. J. Jager Co., Boston, Mass.

TRADESCANTIA

Tradescantia variegata (Wandering Jew), 2 in., 40c. doz., \$3.00 per 100.
THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

TREE RENOVATION

John T. Withers, Inc., Jersey City, N. J.
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VEGETABLE PLANTS

Fox Hall Farm, Norfolk, Va.
Tomato, Cabbage and Lettuce Plants.
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VENTILATING APPARATUS

Foley Mfg. Co., Chicago.
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The Advance Co., Richmond, Ind.
Improved Ventilator Arm.
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VINCAS

Vincas, 4 in., \$2.00 per doz., \$15.00 per 100.
THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.
Vinca variegata, field grown, strong plants, \$5.00 per 100; \$45.00 per 1000. **Russell Bros., R. 4, Syracuse, N. Y.**

WIREWORK

Reed & Keller, 122 W. 25th St., N. Y.
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Wirework. Write for our catalogue.
Holton & Hunkel Co., Milwaukee, Wis.
William E. Heilscher's Wire Works, 38-49 Broadway, Detroit, Mich.

WOOD PRESERVATIVE

Conservo Wood Preservative doubles the life of all exposed lumber. Preserves benches, posts, sills or planking. Costs 3c. a stick, and saves ten times its cost.
Samuel Cabot, Inc., Mfg. Chemists, Boston, Mass.

WIRED TOOTHPLICKS

W. J. Cowee, Berlin, N. Y.
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WAXES & PLASTERS

Waxes, Plasters, and other materials, 1 and 2 lb., \$8 to \$10 per 100. **P. Reth.**
11 Grove St.

WHOLESALE FLORISTS
Boston

N. F. McCarthy & Co., 84 Hawley St.
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Chicago Flower Growers' Association, 176 N. Michigan Ave.
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A. N. Pierson, Cromwell, Conn.
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Michigan Cut Flower Exchange, 38 and 40 Broadway.
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New York

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A. H. Langjahr, 130 W. 28th St., New York.
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James McManus, 55 W. 28th St., New York.
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W. F. Sheridan, 133 W. 28th St., New York.
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Wm. H. Kuebler, 28 Willoughby St., Brooklyn, N. Y.
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Rochester, N. Y.

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In writing to Advertisers kindly mention Horticulture

New Offers in This Issue.

BOXWOOD SPRAYS, LYCOPODIUM.
The S. S. Pennock Machin Co., Phila., Pa.
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DECORATED WOODENWARE.

M. Rice & Co., Phila., Pa.
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FANCY HAND-PICKED ONION SETS.

J. Bolzano & Son, Baltimore, Md.
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FREE TOBACCO POWDER OFFER.

The H. A. Steadthoff Co., Mt. Vernon, N. Y.
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GIGANTEUM FROM COLD STORAGE.

The Fottler, Fiske, Rawson Co., Boston, Mass.
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LILIUM MULTIFLORUM BULBS.

Yokohama Nursery Co., New York, N. Y.
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PHOENIX ROEBELENI SPECIAL.

H. A. Dreer, Phila., Pa.
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THE NEW SARGENT ROSE AND OTHER DAWSON ROSES.

Eastern Nurseries, Jamaica Plain, Mass.
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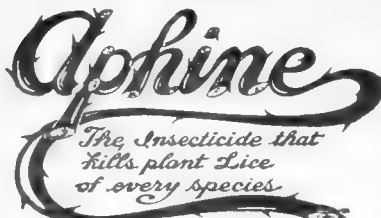
AMERICAN APPLES ABROAD.

American apples, once tasted in a Dutch family, are used continually thereafter, but Vice Consul D. P. De Young, of Amsterdam, adds that owing to indirect shipments prices are higher and the condition of fruit poorer. Baldwin and similar red apples are in greatest demand. Local dealers desire smaller barrels or boxes. The addresses of the two large importers of apples in Amsterdam may be obtained from the Bureau of Manufactures, Department of Agriculture, Washington, D. C.

Consul Albert W. Swalm, Southampton, England, suggests that exporters of American apples should bear in mind that the English crop this season is one of the best and also one of the largest for many years, pears and plums being also abundant. The apple supply for autumn and early winter is far in excess of any for several years, which will keep down the price of all those imported until stocks have been consumed. Early consignments of American fruit for auction in England might, therefore, prove bad ventures for the shipper.

Finer English apples have not been seen in market for many years, and the reports from the orchard districts are most flattering. The further fact that many new orchards are coming into bearing this year should also be considered. In dessert apples alone there may be a fair market for good American varieties of established name.

An Australasian order for 58 carloads, comprising 28,200 boxes of apples, is being filled in the State of Washington. The initial shipment consists of eight carloads of Yakima Jonathans.



Just the remedy for the black aphids on chrysanthemums, red spider and thrips on carnations, green fly on roses—mealy bug on gardenias and crotons—scale on ferns, palms and other decorative stock.

\$2.50 per gallon, \$1.00 per quart.
U. S. AND CANADA.

FUNGINE

Fungine has no equal for carnation rust, rust on chrysanthemums and mildew on roses.

\$2.00 per gallon, 75c. per quart.
U. S. AND CANADA.

There is but one convincing way for you to become familiar with the merits of Aphine and Fungine, and that is—test them out yourself. It will prove worth your while.

For sale by seedsmen.

MANUFACTURED BY
APHINE MANUFACTURING COMPANY
MADISON, N. J.

KILMDEAD
The best of all
the tobacco
dusts for
Dusting or
Fumigating

25 lbs. \$1.00	100 lbs. \$ 8.00	1000 lbs. \$27.00
50 lbs. 1.75	500 lbs. 14.00	2000 lbs. 52.50

Stump & Walter Co. 50 Barclay St. New York.

Imp Soap Spray

Clean and odorless. Forms invisible films.
Non-corrosive. Usual effective strength, one to thirty-two.

Single gallons, \$1.50
In barrels, \$1.00

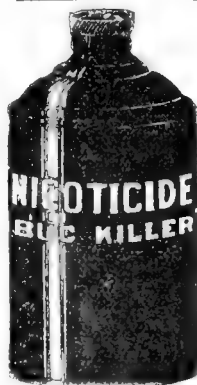
Eastern Chemical Company
Pittsburg Street
BOSTON

To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free.)

Use any form you choose but buy it of

E. H. HUNT, 131 N. Wabash Avenue, Chicago



The Best
Bug Killer and
Bloom Saver

For PROOF
Write to

P. R. Palethorpe Co.
OWENSBORO, KY.

Wilson Plant Oil & Fertilizer Company

ELIZABETH, N. J.
Horticultural Supplies

Write for our special Catalogue

When William Rockefeller learned that he had won half of the \$25 offered by John D. Archbold as a prize for the best 12 chrysanthemum blooms at the Tarrytown Horticultural Society, he called his oily friend on the telephone and said:

"Thanks for the easy money!"

Next to shearing the public, the chief delight of the modern practical multimillionaire is to trim the bank account of a fellow multimillionaire.

—Boston Globe

Cattle Manure in Bags Shredded or Pulverized

Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company
31 Union Stock Yards Chicago

Cocoanut Fiber Soil

Is being sought after by all growers. Cover your lawns this fall and next summer you can have a green one.

20th CENTURY PLANT FOOD CO.,
27 Ocean St. Beverly, Mass.

Rubber Stamps, Stencils

Seals, Steel Stamps, Hotel Baggage and Key Checks, Badges, Burning Brands, Pew Numbers, Numbering Machines, Check Protectors, Stencil Combinations, Steel Alphabets and Figures, Indelible Inks, Stencil Colors and Brushes, Door Plates, Rubber Type. Illustrated Catalogue of nearly 100 pages sent with first order or upon receipt of 5 two-cent stamps. Agents wanted.

THE REX COMPANY, Harrisburg, Pa.

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Obituary

L. Gibson.

L. Gibson, florist, Twentieth and Grayson streets, Louisville, Ky., died on Oct. 24, aged 69 years. He was born at Bloomfield, Ky., and was a veteran of the Civil war, in which he lost an arm.

Patrick Birmingham.

Patrick Birmingham, an old St. Louis, Mo., landscape gardener, was found dead in his room at 1800 S. Compton avenue. He was asphyxiated by gas. It is claimed that Mr. Birmingham made Reservoir Park the beauty spot it is. He was 70 years old and leaves two sons to mourn his loss.

Charles Zimmerman.

On Oct. 3, Charles Zimmerman, of the firm of Chas. Zimmerman & Sons, 7150 Cottage Grove avenue, Chicago, Ill., died at his home, aged 64 years. Born in Switzerland, he came to this country in 1871, working at his profession in the east, going west to accept the position of gardener on the J. J. Mitchell estate in Chicago. He and his son established their florist business fourteen years ago. A son and daughter survive him.

Norman J. Coleman.

Norman J. Coleman, well known among the nurserymen throughout the country, died suddenly on Friday, November 3rd on the Wabash train coming home to St. Louis, with his son-in-law. He was 84 years old. Mr. Coleman was Secretary of Agriculture in President Cleveland's administration, ex-president of the American Association of Nurserymen and editor of Coleman's Rural World. He leaves a son and two daughters, and a host of friends to mourn his loss. The funeral took place Monday, November 16, from his late residence 5599 Detroit boulevard and many beautiful floral offerings were sent by friends, both local and abroad.

George Woodward.

The death of Geo. Woodward, while not entirely unexpected, came as a shock to many of his friends who had hoped for his entire recovery from a long illness. George M. Woodward came to this country from England when a boy and was for many years a private gardener in the suburban towns about Chicago. Then he opened a retail flower store on Lake avenue which failing health compelled him to give up. For several

Landscape Gardening



PROF. CRAIG

A course for Home-makers and Gardeners taught by Prof. Craig and Prof. Bachelor, of Cornell University.

Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250 page catalogue free. Write to-day

The Home Correspondence School

Dept. H, Springfield Mass.

POULTRY and FRUIT REVIEW

A publication on the farm journal that reviews all poultry and fruit papers in United States, will be sent on trial one year to all who send 16 cents, to pay wrapping and postage, and names of three fruit or poultry raisers.

THE REX COMPANY

HARRISBURG, PA.

HELP WANTED

WANTED A Steward and Superintendent on a large estate near New York City, with extensive park and greenhouses; an educated young man of thorough business capacity, with botanical knowledge and experience. Best references required. Liberal salary. Address A. B., P. O. Box 822, New York.

SITUATIONS WANTED

SITUATION WANTED in Massachusetts by an all around florist of over 25 years experience. Rose growing a specialty. Capable to take full charge. Now in charge of large rose growing establishment. Reasonable wages and permanent position desired. Married; no children. Address N. H., care HORTICULTURE.

FOR SALE

FOR SALE Fresh from factory, new 10x12, 16x18, 16x24, double thick A and B qualities. Market dropped. Now is the time to buy and save money. Parshelsky Bros., Inc., 215-217 Havemeyer St., Brooklyn, N. Y.

MISCELLANEOUS

LANDSCAPE GARDENERS

Will find it to their interests to read PARK and CEMETERY and LANDSCAPE GARDENING, regularly. Some gardeners consider it the best journal on landscape gardening. Sold 25c for two papers and special offer to new subscribers. R. J. HAIGHT, 410 So. Dearborn St., Chicago. *March HORTICULTURE*

months he was in a hospital and the end came at his home 4915 Champlain avenue, Oct. 24th. He is survived by wife, three sons and two daughters. The funeral was held from the residence Oct. 28, and interment was at Mt. Olivet.

PATENTS GRANTED.

- 1,007,241. Transplanter, Ervin Schlatter, Harmony, Pa.
- 1,007,459. Sod-Cutter, Julius Larsen, Deer Lodge, Mont.
- 1,007,656. Weeding Implement, William P. Fox, Los Angeles, Cal.

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WORLD'S LARGEST MANUFACTURERS
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LONG ISLAND CITY, N. Y.**

GREENHOUSES BUILDING OR CONTEMPLATED.

Dover, N. J.—Henry Payne, addition.

Meriden, Conn.—John J. Bonell, one house

Plymouth, Pa.—Henry Gregory, one house.

Mentor, O.—Merkle & Sons, house 25 x 300.

Stamford, Conn.—Belden B. Brown, house 18 x 50.

Maywood, Ill.—Rober & Radke, bulb house 12 x 75.

E. Pepperell, Mass.—Lowthorpe School, one house.

St. Joseph, Mo.—D. H. McInonch, two houses each 28 x 100.

Worcester, Mass.—Fred Madaus, 1 Heywood street, one house.

Chicago, Ill.—Luke Collins, 1441-57 E. 70th street, range of houses.

Oklahoma City, Okla.—C. A. McNabb, two houses each 25 x 100.

Waterbury, Conn.—W. H. Roberts and Edward Miller, Platts Mills, one house.

Washington, N. J.—Alonzo J. Bryan, 282 E. Washington avenue, range of houses.

Reading, Pa.—Herman Stabenow, Jr., Twelfth and Exeter streets, house 24 x 100.

Cleveland, O.—Bramley & Son, 1181 E. Seventy-first street, four houses, each 27 x 200.

NEWS NOTES.

Franklin, Mass.—M. J. Van Leeuwen is installing a new boiler at his greenhouse.

Northboro, Mass.—The foundation for two boilers is being built at the greenhouses of Ralph L. Wadsworth, Pleasant street.

Franklin, Mass.—The Van Leeuwen greenhouses on Central street, were damaged by fire on Oct. 29. The quick work of neighbors prevented a serious loss.

Libertyville, Ill.—The greenhouses of the Chicago Rose Co. have been bought by Joseph Kohout and J. G. Schumann, who will do business under the firm name of Schumann & Kohout. Both were previously in the employ of Bassett & Washburn.

Fond du Lac, Wis.—The greenhouses of the Haentze Company sustained a \$500 loss Friday night, October 27, when the boiler in rose and carnation section blew out, partially wrecking the buildings, and exposing 3000 rose plants to the blighting cold. The explosion was caused by the stoppage of an outlet pipe. Prompt work prevented a fire following the explosion.

1000 READY PACKED CRATES

STANDARD FLOWER POTS AND BULB PANS

can be shipped at an hour's notice. Price per crate:

2000 1½ in. @	\$8.00	500 4 in. @	\$4.50
1500 2 " "	4.88	450 4½ " "	5.24
1500 2½ " "	5.25	320 5 " "	4.51
1500 2½ " "	6.00	210 5½ " "	3.78
1000 3 " "	5.00	144 6 " "	3.16
800 3½ " "	5.80	120 7 " "	4.20
		60 8 " "	3.00

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August Roiker & Sons, 31 Barclay St., N. Y. City Agents.

OUR SPECIALTY—Long distance and export trade.

Syracuse Red Pots

"A little pot is soon hot," likewise a thin pot. This will save you fuel. Our pots are the thinnest and toughest owing to the superior quality of the clay. New price list on application.

Syracuse Pottery Co., SYRACUSE, N. Y.

STANDARD FLOWER

POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts.,

Washington, D. C.



ALL THE CLAY

FOR OUR
Florist's Red Pots
is prepared by passing through a screen 1000 meshes to the square inch. If in a hurry for pots, order from us.
THE PETERS & REED POTTERY CO.
Zanesville, Ohio

"FLOWERS."

The Suburban Press, publishers of Suburban Life, will issue a new monthly magazine called "Flowers," the first number to appear the first week in January, 1912.

This new magazine will be devoted exclusively to flowers, both cultivated and wild, giving the history of flowers; treating of wild flowers of field and forest; telling how the flowers got their names, the special flower for each month, etc. The culture of flowers will also be considered.

"Flowers" will be about the same size as "Life," and illustrated with half-tones direct from photographs. Subscription price, \$1.00 a year.

Dennis T. Connor, who has been Philadelphia representative of the Lord & Burnham Company for a number of years, has severed his connection with that company and will hereafter represent the Foley Manufacturing Co. of Chicago, who have decided to establish branch offices in Philadelphia and New York. The Foley people are fortunate in getting the services of a man of Mr. Connor's ability and wide acquaintance among the commercial and professional people.

Dreer's Peerless Glazing Points

For Greenhouses

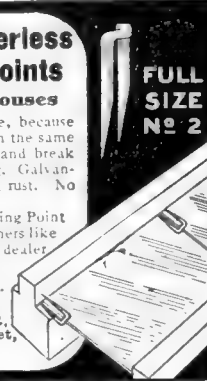
Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts.

The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid. Samples free.

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714 Chestnut Street,
Philadelphia.

FULL
SIZE
No. 2



MASTICA

FOR Greenhouse Glazing

USE IT NOW.

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NEW YORK



Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

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SIGGERS & SIGGERS

PATENT LAWYERS

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Washington, D. C.



DREER'S

Florist Specialties.
New Brand New Style.
Hose "RIVERTON"

Furnished in lengths up to 500 ft. without seam or joint.

The HOSE for the FLOWIST
¾-inch, per ft., 15 c.
Reel of 500 ft., 14½ c.
2 Reels, 1000 ft., 14 c.
¾-inch, 13 c.
Reels, 500 ft., 12½ c.
Couplings furnished.

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Greenhouse Material and Sash

Of Every Description

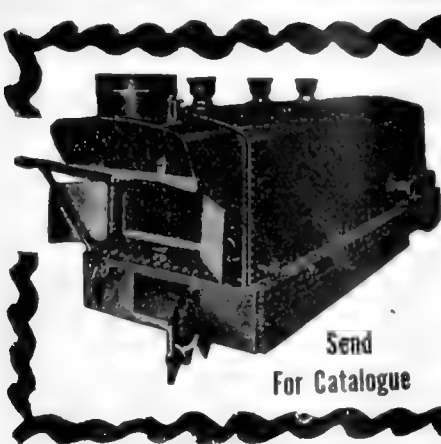
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S. JACOBS & SONS

1359-1365 Flushing Ave.

Est. 1781.

BROOKLYN, N. Y.



Send
For Catalogue

What the Users Say

KROESCHELL BOILER

Half the Coal and Half the Work.

"Your No. 13 boiler is carrying 25,000 sq. ft. of glass and I can keep it at 60 degrees in the coldest weather without any trouble. I have three other types of boilers also heating a range of 25,000 sq. ft. of glass, but the No. 13 Kroeschell Boiler **ONLY TAKES HALF THE COAL** and half the work to get the same results."

J. G. FRISZ, Vincennes, Ind.
P. S.—Mr. J. G. Frisz, of Vincennes, Ind., has the largest range of glass in Indiana devoted to vegetable forcing.

KROESCHELL BROS. CO., 466 W. Erie St., Chicago, Ill.

RESULTS

THAT IS WHAT
YOU WANT

KING GREENHOUSES

BRING RESULTS

BECAUSE EVERYTHING TO THAT END HAS BEEN CONSIDERED AND THE GROWER HAS HIS TIME TO DEVOTE TO GROWING THINGS.

LET US FIGURE WITH YOU
ON YOUR
GREENHOUSE PROJECT

WE WILL SEND YOU
BULLETINS AND QUESTION
BLANKS TO EXPRESS YOUR
REQUIREMENTS ON.

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Home Office and Factory
NORTH TONAWANDA, N. Y.
Eastern Sales Office
NO. 1 MADISON GARDENS, N. Y.

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NOW IS THE TIME TO BUY

FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

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OUR PRICES WILL PROVE THIS. CHICAGO, ILL.

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STEEL GUTTERS, TRUSSES,
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Etc.

PRIVATE AND CONSERVATORY
WORK A SPECIALTY.

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Cheap as Dirt

Have you had any prices on greenhouse glass, lately?
Write us at once for our quotations. We'll surprise you.
Take advantage of the drop and book orders for future deliveries.
Our glass all new and fresh from factory.
Hot bed sash and greenhouse material, dropped too.

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32 feet or longer

HOT BED SASH

PECKY CYPRESS BENCH LUMBER

GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

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NEPONSET, BOSTON, MASS.

OUR Ventilating Machines



are designed to meet a demand. That demand being for an apparatus that operates sash easily and evenly. An apparatus that is neatly constructed, yet strong. An apparatus that never fails in its duty. An apparatus that is never out of repair.

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HORTICULTURE

Vol. XIV. NOVEMBER 18, 1911 No. 21



SPECIMEN CATTLEYA LABATA

See Notes on Page 695.

Devoted to the
**FLORIST, PLANTSMAN,
LANDSCAPE GARDENER,**
and
Kindred Interests

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Darwins. Very large flowers of good shape, on tall, strong stems; for brilliancy of color they surpass any other Tulip; they include every known shade from the lightest tint to the brightest hue; finest mixed.

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Golden Crown. Is a showy and attractive variety, with a rich deep yellow color, and the petals edged and tinged with red. It blooms about the same time as Gesneriana major.

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(To Name)

Darwin Tulips are among the most varied and beautiful of all the late Tulips. Planted in the border they come into flower in late May and June. Flowers are large and borne upon tall, erect stems. Like the May-flowering Tulips they are indispensable for Decoration Day.

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Duc van Thol. Crimson.....	1.00	8.00
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Duc van Thol. Scarlet.....	1.25	12.00
Duc van Thol. Rose.....	1.25	10.00
Duc van Thol. Yellow.....	1.75	15.00
Duchesse de Parma. Orange-red yellow shaded. Golden Queen. Very large yellow; fine globular form; the finest of its color.....	1.00	8.75
Joost van Vondel. Cherry-red, white-feathered.....	1.75	15.50
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La Reine. First size.....	.85	7.50
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ARTHUR T. BODDINGTON, Seedsman, 342 West 14th St. NEW YORK CITY

Seasonable Notes on Culture of Florists' Stock

CARE OF CATTLEYAS

All Cattleyas that have flowered during the latter part of the summer, such as *C. bicolor*, *C. granulosa*, *C. gigas*, *C. Gaskelliana*, *C. Harrisoniae*, *C. Eldorado*, *C. Loddegesii*, *C. Luddemanniana*, *C. Leopodii* and *C. Schotfieldiana*, and have had a good rest should be given new compost. It is better to wait until the new growths begin to show with new roots just pushing before re-potting. This is the best time to overhaul these orchids, for at this stage they become quickly re-established in their new compost. As to the best potting material to use there is a diversity of opinion. While some still like to use soft fibrous peat and live sphagnum moss intermixed, others prefer clear osmunda fibre; they can be grown good with either. Give the pots or baskets half their depth of crocks with some charcoal to insure good drainage. When potting bring the new compost well up to the base of the pseudo-bulb and see that they are potted moderately firm. If any portion of the plant should be unsteady and sway, tie the pseudo-bulb to a neat stake, for a plant lying loose will never do well. Give them a shady part of the house for a little while and keep the floors and benches well damped down so as to have sufficient moisture in the atmosphere. When they begin to take a hold of the new compost little or no shading will be needed until the sun becomes more powerful. Be exceedingly careful in watering now as very little will be required at the roots until later on, but syringe over the plants once or twice a day in fine weather and give them a temperature of from 55 to 58 degrees at night.

CINERARIAS

The early plants that are now in 6-inch pots with the flower stems well advanced should be attended to with manure water about once a week as they like a liberal supply to meet the quick growth and free-rooting which soon exhausts the soil in the pots. Give them sufficient room between the plants to prevent them from getting drawn. Syringe the plants overhead on all fine days until flowers begin to open, and keep the paths and material on which the pots are standing, damp, as they dislike a dry atmosphere. Those that are intended for Christmas should be kept in a temperature as near 45 degrees as possible, anything higher will ruin your crops. All those that show a disposition to be later can be given a temperature of about 40 degrees which will bring them into flower during January and February. Seed that was sown from August 15 up to the first week in September and grown in flats should now be ready for 3-inch pots. Use a soil composed of three parts of fibrous loam and two of leaf mold with a good sprinkling of sand for the first potting. Keep close for a few days until the roots take hold of the new soil, when they should be given a place near the glass in a house where the temperature runs near 40 degrees at night. Never let them approach anything like a pot-bound condition before giving them a shift, until flowering size is reached. For the second potting and others that are to follow leave out all leaf mold, but give them a rich compost of two-thirds fibrous loam to one-third of well-decayed cow manure with a dash of guano and soot. Fumigate often for the aphids.

ROSEAUILLAS

We have now come to the season when these plants should have their necessary rest in order to ripen up their growth, which is essential for good results. From

now and during December water should be withheld until the plants show signs of flagging and then only a little should be given—just enough to freshen them up

but do this gradually until only enough moisture exists in the soil to prevent their becoming absolutely dry which would cripple them. Keep the atmosphere cool and dry by free ventilation whenever possible. Such treatment will greatly assist the wood in maturing to the proper condition for forcing later on. They should be kept in this state until the close of the year and in a house that has a night temperature of 50 degrees until they are started into active growth when they should have 60 to 65 degrees at night.

FORCING IRISES

When forcing a batch of Spanish irises let them be grown cool, as they will not stand anything like forcing hard. The general temperature demanded by these plants are a night temperature of 40 to 45, with 10 to 15 degrees more during the day with sun heat. The general practice is to grow them in flats 4 or 5 inches deep, using a rich compost of two-thirds well-decayed sod and about one-third of well-rotted manure. A flat 12 by 24 inches will hold 45 to 50 roots. There is an advantage in planting them in flats as they can be moved around at will and also be kept in a frame until wanted for forcing. The soil should never be allowed to become dry as they always want a copious supply of water. Be careful not to give heavy fumigations where they are as it will cause the ends of the leaves to turn brown. As growth starts give them some weak liquid manure once a week.

LILY OF THE VALLEY

Newly imported pips that are arriving now should be secured and repacked in an upright position into boxes, placing some sand or soil under, over and between the bunches; this will make handling better, when bringing them in. The most convenient place for these boxes is a cold frame where they can remain until wanted for forcing. After placing them in the frame give them a good watering. When the weather gets colder place some sash over them and also cover the tops with 3 or 4 inches of hay or straw. This will lessen time and labor when they are brought in. These pips cannot, with any success, be forced before the beginning of the New Year. For the December crop of flowers cold storage pips should be relied upon. Pips that are intended for cold storage should be boxed up not later than February as they must be in an absolutely dormant condition when they are removed to the cold storage plant.

POTTING SOIL FOR THE WINTER

Now is the time to prepare some potting soil for winter use. Soil was piled up in July with a layer of manure and a layer of sod and chopped down with two or three good turnings so as to thoroughly mix the whole mass. A wheelbarrow or a rake will do for most of the work. At present it is better to have a good deal of this soil covered with a layer of straw or hay to keep it from drying out. It should be kept in a frozen condition for weeks, and then a little time to dry when brought in in that condition. So seize the opportunity now to lay in a good supply for potting.

John J. M. Farrell

Mr. J. J. M. Farrell
has a large stock of
men's clothing.

will be on the following day. All plants
of Herbarious Plants, Ed. C. C. C.
Door Roses.

HORTICULTURE

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NOVEMBER 18, 1911

NO. 20

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For the accounts that have reached us it would appear that the fall shows have come off well this season in most places. One or two exceptions only have been noted. In fact, great progress has

been made in some instances as in the case of Providence and Philadelphia, where local apathy had prevailed for a number of years. Where there is indifference it is usually not difficult to find a cause. In both of the places above mentioned it seems to have been due in large degree to an absence of concert and the co-operative spirit between the commercial and amateur elements. There are other organizations where the same lack of a common purpose between these wings of the membership is unquestionably retarding progress and working to the disadvantage of these societies and against the best interests of horticulture. These interests can only be nourished and strengthened where florists, gardeners and amateurs stand shoulder to shoulder in the work that societies should do, each recognizing in the fullest sense the indispensability of the other.

Vicissitudes of the flower market

Wholesale flower market reports this week reflect the sudden and very severe weather which during the past few days has overspread practically the entire country. While these blizzards are anything but comfortable to face, and while they make a gaping hole in the coal pile, yet there is probably no flower grower or wholesale dealer who does not welcome their coming, for they do much to place the market on a substantial basis and to establish prices approaching winter values, which once started are pretty sure to have some permanency. Two distinct facts seem to be brought out by this year's experience. One is that the single and pompon chrysanthemums are coming in to a much greater popular appreciation for cut flower uses. Men of good artistic perception have anticipated this for a number of years, but the change was slow in coming and the craze for bigness has died very hard. The other noticeable feature in the flower demand is the widespread interest in the new roses, of which several have already made, or are about to make, their debut—and the newer and more novel the new comer the more it is wanted. It is not so very long since it was charged that the custom of the retailers was to discourage the introduction of new varieties of roses and of the growers to exercise timidity and caution in touching them. That the sentiment has changed must be a great satisfaction to the introducers and the outlook for their hitherto poorly-requited efforts is a great encouragement for them. Henceforth the carnation and the chrysanthemum will have to share a good slice of the novelty market with the Queen of Flowers.

Prepare Now

For our Seventy Anniversary and Holiday Number. As heretofore it will be a worthy exponent of horticulture in its best sense, well filled with the sort of reading matter that will command perusal. That is the kind of paper which is of the highest value to the advertiser and we hope the trade will respond generously to this call for early advertising orders. The issue will be published under date of December 9, but all advertising space should be secured and copy in our hands not later than December 4, and as much earlier as possible.

Write Us About It Now

Fruit and Vegetables Under Glass

CLEANING PEACH HOUSES

A peach house should have a thorough cleaning before starting, similar to what we advocated for a vinery in last week's issue. The cleaning of the trees themselves, naturally, is different. Houses intended for starting December 1st, should now be pruned and all the old ties cut away, leaving the trees from the wires entirely; they can be tied up roughly to the main branches to get them out of the way. When growing on the old system of a trellis near the glass it will be found necessary to bundle them together before commencing to wash the house down. This latter job is not one of the pleasantest and helpers are apt to miss so much at times that this must be watched, as a little red spider left in a corner is sufficient to stock the house next season. Providing the trees are clean, a spray over with some approved insecticide as a preventive is all that will be necessary. Should any pests have been troublesome, now is the time to wage war against them. Tie the trees in again, taking care each growth has sufficient room to swell where the tie encircles it. A tight tie now will result in a cut growth before next fall. Where the stronger wood comes in contact with angle irons or other stronger parts of the trellis, a piece of wood or rubber should be placed between them. Old hose cut through the center answers this purpose well. This will serve as a non-conductor, as those parts of a trellis get very hot during the hot weather and a branch continually pressing on them soon commences to "gum," causing a loss of sap. As the new wood is being replaced it affords an opportunity to check the pruning, i. e., if the growths appear to be crowded and if there is insufficient room for next year's growth cut some more of them away. A crowded tree is unsatisfactory in every way. Tying and training a peach or nectarine tree is quite an art to get them to perfection and repays any time spent in this direction during the winter season. Trees that were root-pruned previously will have their borders in shape, others that have not been done must have any mulchings carefully removed and will be benefited with a top dressing of new soil. Remove an inch or two of the existing top soil, taking care not to injure any fibrous roots which may have been drawn to the surface by the mulching and replace it with new. A peach does not require a rich soil but it must be porous. Old bricks broken up small will be an acquisition to any heavy soil for this purpose. Keep the houses as cool as possible until time of starting. It does not damage any inside peach to let them have several degrees of frost. The 1st of December is the earliest date advisable to start trees into growth; even then trees in pots will respond to treatment quicker.

FOR VINES

As the amount of frost increases and there is danger of more than twelve or fifteen degrees being registered, pot vines should have protection for the remaining few weeks before starting. A cold house will do for them but it is not necessary that they should go under glass. A barn will answer the purpose well. Mice are very partial to the bark of the vine during the winter months when other food is scarce. Vines must not be forgotten on this account and they will also require a little water. Keep them on the dry side but not dust dry.

CHICORY

Chicory will now need storing away where it is accessible during the bad weather. A cool cellar or barn

where it can be covered over with earth to prevent shrivelling will answer the purpose well. A batch can be started to rot, knowing it has already tasted a little frost. Like all other roots being forced into growth it enjoys a little bottom heat. Growth is so much quicker and so much more pays for the extra amount of labor entailed. Chicory is not at all particular as to its position. Damp cellars, underneath benches or in cellars, all come under it so long as a good bottom heat is given. Sixty is a suitable bottom heat with an atmospheric temperature of 55 to 60 by night, with an advance by day. Plant the roots in the soil the same depth as they were in the garden. Large pots are sometimes used successfully to force chicory. These are placed near a heating pipe and the body of soil soon attains a sufficient heat to promote growth.

ASPARAGUS

Asparagus clumps intended for forcing must not be allowed to freeze up so that it is impossible to move them, although so much frost they must have. With a severe spell setting in either lift enough roots and store them or spread a good thickness of straw manure over the bed.

TOMATOES NOT SETTING

At this time of the year with short days and little sun heat, tomatoes sometimes refuse to set their fruit, certain varieties being greater offenders in this respect than others. Should they show this falling off keep the house a little dryer and also the roots. Give just enough water to keep the plants in a healthy condition. Where setting has been real bad resort to a soft-haired brush, distributing the pollen with it each day about noon, when the house is dry and has air on. Bad setting, as a rule, can be traced to too much humidity in the air. Lessen this and raise the vents a little more. Give each plant a shake each day about noon and there should be no trouble in this respect. This method of shaking the vines is making sure of a set during the bad weather.

STORING WINTER CABBAGE

Before the very severe weather sets in make provision for protecting winter cabbage. State and locality must govern and modify the extent of this, as it does all things written about. What is good for the goose is good for the gander too, the old proverb says, but I guess he can put up the stiffest fight, so we have to make some allowance. Some lean them on their sides, others bury a quantity together while cellars are requisites of others. When using the latter keep them cool and admit some air.

George H. Benson

A Superb Cattleya

Our cover illustration this week depicts a specimen *Cattleya* from the owner, W. A. Martin of South Orange, N. J. It informs us is the largest cultivated. It has more than one hundred and forty flowers this season, large and beautifully colored, most of the growths carrying from four to five flowers each and some six. The picture shows it as a magnificent well-developed plant all in one piece and it is surprising that it should be so large a plant and at the same time so large in size and color of flowers.

THE EXHIBITIONS

MASSACHUSETTS HORTICULTURAL SOCIETY.

The Autumn Exhibition at Horticultural Hall, Boston, presented quite a different aspect to the visitor as compared with the corresponding shows a few years ago. No longer can it fairly be called a Chrysanthemum Show for while these are still largely represented yet they do not by any means predominate. In the plant classes there was practically no competition. Only one exhibitor appeared in the specimen bush plants which in the past were regarded as a distinguishing and unrivalled feature of the Boston exhibition. It cost that exhibitor \$150 to transport his six plants to the hall! On chrysanthemum cut blooms the short stem classes are almost extinct, the long stem classes barely hold their own and the singles have become more numerous. But, while all this is true and while the halls looked rather "thin" in spots because of the absence of the accustomed long ranks of enormous blooms, yet the show was a notable one in some respects and presented more than the usual proportion of novel-

ling begonia (*B. incarnata* × a tuberous rooted variety), flowers gorgeous crimson, 2 to 3 in. across; foliage massive, *incarnata* habit of plant. To Duncan Finlayson for *Cattleya bicolor* × *C. labiata*. To C. H. Totty for rose Sunburst. To Thos. E. Proctor, gard. James Marlborough, for seedling chrysanthemum Emmy Lou.

Honorable mention. To Strout & Co. for light pink seedling carnation (*Beacon Victory*). To E. S. Webster for *Celosia Thompsoni pyramidalis*. To H. H. Barrows & Son for *Nephrolepis Whitmanii* var. *compacta*. To A. A. Pembroke for light pink carnation Beverly.

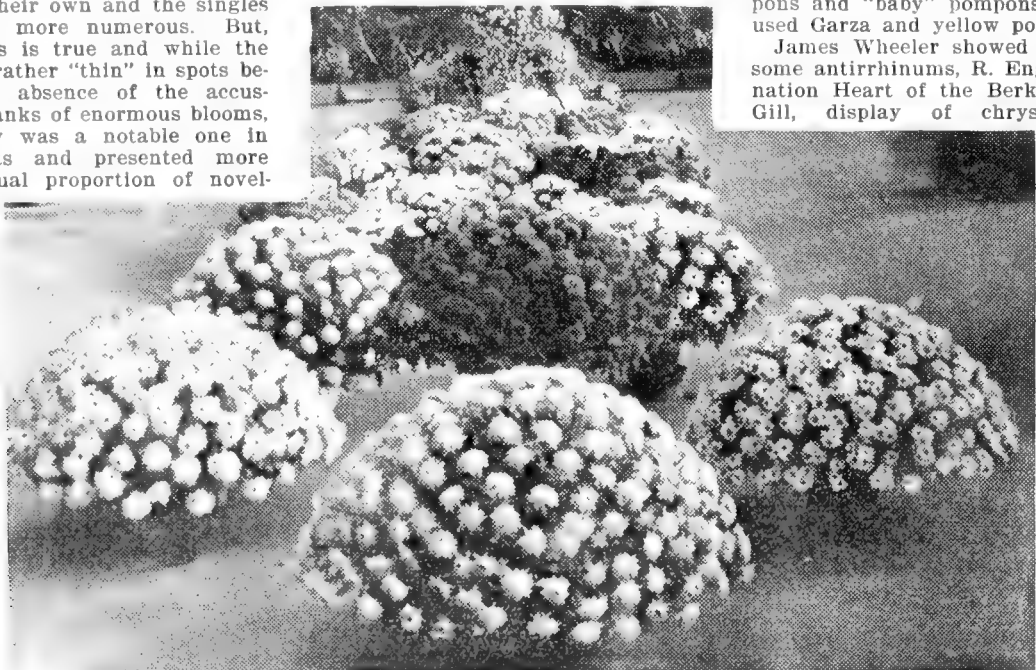
The sole exhibitor of specimen bush chrysanthemums was Thos. E. Proctor, gard. Jas. Marlborough. They were very fine, among them being Mayor Weaver—which won the silver as best plant in the show—and Emmy

and W. W. Edgar Co. a fine group of cyclamen and Lorraines.

In the cut flower section E. A. Clark, gard. Alex McKay, swept all the prizes but one on the vases of ten long-stemmed chrysanthemums. His best were Rose Pockett, Leslie Morrison, Col. Appleton, Mrs. Wm. Duckham. James Nicol scooped one 1st here. Mr. McKay also won out on the mammoth vase of seventy-five long-stemmed flowers with a superb exhibit, W. W. Edgar Co. winning 2nd and 3rd. Twelve Jap. Incurved and twelve reflexed, H. E. Converse. Pompons, E. K. Butler, 1st, P. B. Robb, 2nd. Singles, Geo. Page 1st, W. A. Riggs 2nd, H. E. Converse 3rd.

The table decorations were by Ed. MacMulkin, Sidney Hoffman and Mrs. E. M. Gill, who won in order named. MacMulkin's flowers were Garza and yellow pompons, with adiantums. Hoffman had bronze and yellow pompons and "baby" pompons. Mrs. Gill used Garza and yellow pompons.

James Wheeler showed some handsome antirrhinums, R. Engelman, carnation Heart of the Berkshires, Mrs. Gill, display of chrysanthemums,



Specimen Plants at the Boston Show.

ties and novel features. To best illustrate this fact we shall begin this account where we generally end—that is, with the awards of special medals and certificates.

Silver medal to E. S. Webster, gard. Wm. Downs, for Begonias Elatior and Winter Cheer. They were grand.

Cultural silver medal to James Nicol for vase of chrysanthemum Mrs. Jerome Jones. This was simply superb.

Bronze medal to Wm. Sim for display of pansies. Here were over 500 enormous blooms of the highest strain and covering an endless range of colors and markings, each flower in an individual bottle hidden under the flat white surface on which they were displayed. They created a sensation.

Certificates of merit. To George Melvin for hybrid *Solanum Capsicum capsicastrum* Melvini, fruit orange, somewhat pointed. To S. J. Reuter & Son for rose Improved Double White Killarney. To A. N. Pierson for Killarney Queen and Double White Killarney. To E. H. Wetterlow for seed-

Lou, which was certificated as a seedling. Wm. H. Elliott was the only exhibitor of 25 plants, commercial specimens. These were, as usual, excellent. H. E. Converse, gard. D. F. Roy, was 1st on single flowering varieties and Mrs. Lester Leland, gard. E. H. Wetterlow, 1st on 6-stem plants.

Ed. MacMulkin put up a mammoth group, 300 sq. ft. of foliage and flowering plants, splendidly arranged. This took 1st and a similar group from W. W. Edgar Co. took 2nd. On Kentias Wm. Whitman 1st, and on Arecas Mrs. Frederick Ayer 1st. The orchid groups were a great attraction, the exhibitors being Wheeler & Co. who won 1st, with a beautifully arranged display, Paul de Nave, 2nd, and J. T. Butterworth 3rd. In addition to the foregoing, Thomas Roland made a fine display of choice foliage and flowering plants, Mrs. Francis Peabody a group of Begonia Gloire de Lorraine, W. T. Walke an artistic pyramidal group of Begonia Gloire de Lorraine, Mrs. F. Ayer, variegated pine apple

Strout & Co. and A. A. Pembroke, carnations in variety.

The fruit display was very extensive and was finely set off by a generous display of fruiting shrubs contributed by Superintendent Pettigrew of the Boston Park Department.

WORCESTER COUNTY HORTICULTURAL SOCIETY.

The annual chrysanthemum show of this Society, held at Worcester, Mass., on November 9-10 is recorded as the best as to quality and artistic arrangement ever seen in Worcester and the attendance surpassed that of any previous occasion. The lay-out was planned by and carried out under the direction of the president E. W. Breed. Among the principal exhibitors and prize winners were H. F. A. Lange, Geo. W. Knowlton, Mrs. John C. Whitin, E. W. Breed, Worcester Conservatories, John Gunn, Chas. D. Mackin and Charles Potter. There was a good display of apples in the fruit section.

FALL SHOW IN PHILADELPHIA.

Great efforts were made this year by a committee from the Pennsylvania Horticultural Society and Florists' Club of Philadelphia to bring the Annual Fall Show up to the standard that used to prevail a dozen years ago before the time honored P. H. S. institution had sunk into "inocuous desuetude," or, in other words, to the point where even its own elected president for the year called its exhibitions a farce and a disgrace; and, it must be said for the committee, that in spite of every discouragement possible, they succeeded far beyond what anyone could have hoped for. The show last week is away ahead of anything we have had in recent years in quantity, quality and arrangement, and indicates clearly that if the path mapped out by the present committee is faithfully followed greater things may be confidently looked for. We think the committee well deserves the full measure of public appreciation implied in the words "well done, good and faithful servants."

In the brief space at our disposal we can only touch on a few of the chief features, and if any good thing has gone unmentioned our readers are assured that any such omission is unintentional and purely an oversight.

Bay trees and conifers were freely used in front of the hall and at the various doorways. A liberal contributor to this was the W. H. Moon Co. Edward A. Stroud had four fine groups of hardy single chrysanthemums massed between and at sides of these entrance doorways, a most valuable attraction. These were all his own seedling varieties and were worthily honored with a silver medal. Among the most striking in this collection we may mention Mary Colladay, a pink of the Garza type, Mikado, a bright yellow, and Janet Hay, a lovely white. The beautiful central

stairway was finely adorned with specimen plants of prize winners, and to the right and left of the entrance many interesting things. The new roses on this vantage point compelled everybody to stop and look them over. The cynosure of all eyes was the sensational new one sent down by Alex. Montgomery from Massachusetts, Mme. Chas. Russell, the first time this has ever been seen here; a glorious cerise pink flower, gigantic in size, on four-foot stems, cup shaped, fragrant, and as large as the best American Beauty. It has splendid dark, glossy, leathery foliage. We do not know the parentage, but they say that Dr. Huey says that it is a cross between Mrs. Jardine and American Beauty. The Pennock-Meehan Co. exhibited their great new varieties, the Double White Killarney and Killarney Queen—of the Budlong strain; that is of the Double White Killarney, as this has sported in more than one place, but the Budlong strain is vastly superior. A fine new crimson-scarlet carnation, Miss Dimple Widener, from the expert hands of that good all-round gardener, Wm. Kleinheinz, looked like a winner and worth investigating by our commercial experts.

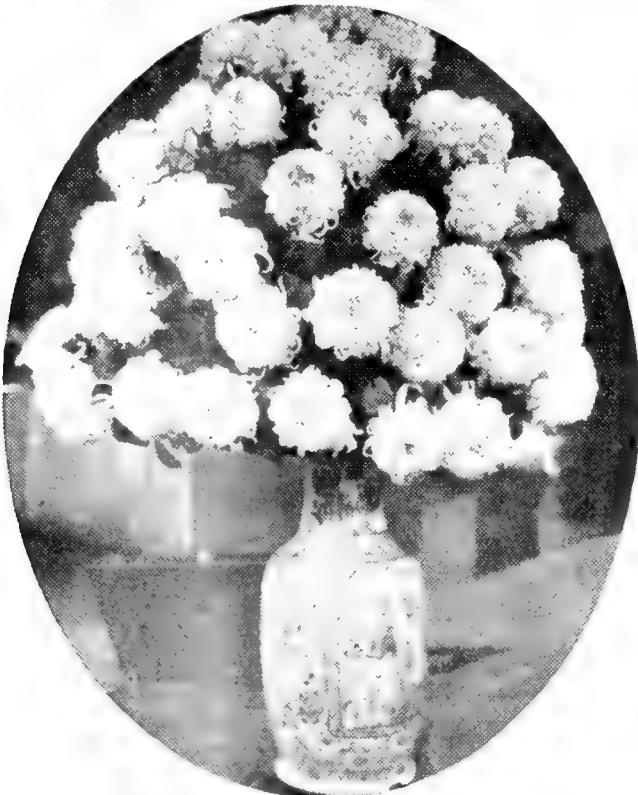
Passing to the left before ascending the stairway we come to two miniature gardens—one by an amateur (Herman van Gloeden), the other by a commercial florist (Adolph Mueller). The van Gloeden design was most artistic and suggestive, and contained many features of a highly educational nature, and well deserved the special premium awarded. C. F. Krueger made a good display of filled window boxes in various styles, suitable for mild fall and summer temperatures, the plants used being mostly chrysanthemums, crotons, pandanus, ferns, etc.

The main stairway was lined on both sides with specimen chrysanthem-

ums in pots, mostly taken from the winning groups, a collection of considerable interest from spectacular viewpoint, but according to the schedule intended to show us what a flower show meant to show us the difference between good, better and best culture? Are we Barnum to let the pennies or a pathfinder showing the road to higher things in Horticulture? If you want to be both at the same time you ought to be able to devise a way of doing it without bursting up your groups.

Well grown plants of Mrs. Frank Thompson graced the foot of stairway—one at each side—by the two Davids; David Ingram and David Aiken. This Thompson variety is outclassed long ago. Let the generous donors of the prize offer it for a newer and better variety and thus encourage improvement.

The judges had a hard job deciding between the two magnificent exhibits at middle landing of stairway—25 blooms with foliage, vase arranged for effect; it was nip and tuck between Kleinheinz and Robertson. Both were magnificent. Here also appeared the best twelve of that fine variety, Lynwood Hall, grown by T. Gaynor, who has the distinction of being about the only gardener in the show representing a title—his employer being the Countess Santa Eulalia. Above this was massed a group of Cibotium Schiedei which was awarded a certificate of merit. This came from Dreer's. Further up the stairway we noticed some fine flowers from Tom Holland, Berwyn, and a first prize vase of bronze from Joseph Pratt—no name to them—a grave defect not only on this but all over the show. We have danced and raved and gesticulated and hurled insults and invective at friend and foe alike for many years on this point yet the supposedly intelligent multitude pass on unheeding just as if they were all members of a deaf, dumb and blind asylum. What's an exhibition for if it doesn't tell people the names of things? Some day we shall buy us a meat axe and use that instead of our gentle pen. John Kuhn had a couple of splendid vases of Yellow Chadwick not for competition. Axel Lindroth made something of a name for himself in various classes notwithstanding his odd patronymic, and Frank Birnbrauer sent some excellent pink antirrhinum. And now, among the tang and haze of the tall chrysanthemums we come on a Sunburst. This one is the Sunburst rose from C. H. Totty. A big flower, lovely color like pale sherry blended and shimmery with lively tints of white, blush and orange, the general effect being at just before the dawn. Edward Towill exhibited a new crimson rose—after the style of Richmond but larger and more fragrant. It is a cross between Mrs. J. B. Clark and Richmond, the former being the seed parent. A wonderful keeper, Mr. Towill says. Its fragrance is delicious almost as fine as American Beauty in that respect. Cultural certificates were awarded to groups of Ananas sativa, Delonix regia and Araucaria robusta coming from Dreer's. Fine, too, was the highest perfection of nature. Robertson and Bate's chrysanthemums showed themselves on a hardy chrysanthemum group, arranged for effect with foliage, flowers and fruit. Frank Robertson had the best stuff. This arrangement was more open



Vase of Mrs. Jerome Jones at Boston Show.

and artistic. Even at that it could have been still more open and pleasing. Don't crowd! W. F. LaCroix set in some beautiful white *Blac-splendid* for so early in the season. Cut heliotrope, a big vase came from Louis Burk. There were a number of standard heliotrope plants in pots that kept finely.

One of the most striking things in chrysanthemums was Wm. Turner. It was a moot question whether this or Mrs. David Syme was the best as a fancy white. Robertson says that Turner will give a bigger percentage of perfect blooms but that Syme is earlier, so it seems to be a case of—we want them both. Other good ones in this connection were Tarrytown, a bluish pink, Fair Acre, a pale lemon and Glen Cove, pink.

The Widener collection of orchids was one of the best things in the show outside of the unique Burk exhibit in that section. Alphonse Pericat also put up a fine orchid display in which were some rare hybrid cypripediums but the hero of the occasion in orchids was undoubtedly Louis Burk. Nothing quite as good has ever been done here before. There were 52 varieties in glass case specially built for the occasion, occupying the entire east end of the main hall, electric lighted, mixed with ferns and foliage, numbered and labelled, and with a numbered catalogue hanging outside so that he who ran might read. The whole story was there and everybody who came along got it all plain, simple, correct. We felt like turning somersaults with joy to see all our cherished ideals about naming and so forth so beautifully carried out and on so fine an exhibit. If plastered from top to bottom with highest awards it would have but poorly expressed our feelings. A million welcomes and a hundred million hosannas, Mr. Burk, on your maiden appearance.

The center of the main hall contained the groups of foliage and flowering plants—all well done and very attractive, especially the middle group of crotons by John Hobson, big plants beautifully grown, and with smaller specimens round the margin by the Robert Craig Co. Penfield, Burk, Pepper, Newbold, were all prominent in this section.

The front of the stage was as usual occupied by Dreer with a general collection of new and choice foliage plants among these being the new *Farleyense*, *Glory of Mordrecht*. This group was awarded a certificate of merit, with a special on the *Glory* and a similar award was made for a splendid group of *Phoenix Roebeleni*. Specials were also awarded to Newbold and Wanamaker for well grown plants of single chrysanthemums. The Newbold lot had three very striking sorts, namely *Ethel Beir*, red bronze, *Mersham*, light bronze and *Sylvia Slade*, a bright crimson with a narrow band of white around the yellow center.

Julius Roehrs showed his appreciation of what horticulture in Philadelphia is worth, by sending a haul of orchids. If a thing is worth doing at all it is worth doing well. Julius—take it from us—the fault does not lie with Philadelphia entirely. Of course you have had some sad experiences—but this year was different. J. A. Muller represented the firm.

Tom Long came along with a good collection of specimen foliage plants. Labels not very good, but better than Dodd's for Wanamaker. In same classes. Wanamaker and Drexel must be awful hard up if they can't afford a few cents for proper card markers. In the middle of the foyer the Pepper group of foliage and flowering plants were an attraction and deservedly won a prize. The arrangement was artistic and above the average. Wanamaker came in here on another section and won first with a distinguished and select collection. For big specimen foliage plants Widener was away ahead. McFadden took the honors in marantas. What is *ananassa salvia* variegata? This appeared in a Penfield exhibit, class 84. Far be it from us to suggest that this may be only another instance of sloppy spelling, and thereby disseminating misinformation. In cut carnations Widener and Wanamaker divided the honors. Mrs. C. W. Ward was the star in both lots.

John Welsh Young exhibited a vase of Double Pink Killarney in a frame. Was this in honor of the flower or of the exhibitor? Both are good; but was there any good reason for a frame for either? If we chopped off monarchy to make us all democratic, why assume frames to give adventitious value? John, why not let your flowers stand alongside the other fellow's, naked and unashamed, and let them be judged on their merits?

In the lower hall the most striking eye catcher was a model conservatory erected by the Lord & Burnham Company, showing what they can do for \$500.00, including heating and everything complete. This was further made attractive by being filled with a nice collection of foliage and flowering plants. Outside the structure was bordered with a flower bed scroll of hardy chrysanthemums, the latter work being executed in fine shape by the H. F. Michell Co. In this lower hall the usual displays were made by the leading seedsmen. These consisted of bulbs and sundries, mostly. Waterer's, Dreer's and Michell's were the most attractive of these exhibits. The Amon Heights Nurseries put up a display of hardy chrysanthemums. The sign did not give the address of this concern, which would have helped them some if they had taken advantage of their opportunity. Devon, Meehan, Michell and Burpee each showed elaborate collections of hardy chrysanthemums. The latter exhibit was especially fine containing many rare and beautiful varieties. It was labeled the Burpee new and improved strain, and the card stated that the flowers had been grown on plants produced from seed sown last March. That fact, so plainly stated, was of high educational value to the average visitor, and it seemed to surprise many to learn that this beautiful hardy perennial could be flowered the first season from March-sown seed. The latest in lawn mowers, "The Graham," was exhibited by the Philadelphia Lawn Mower Co. Fruits and vegetables were very fine.

Among the distinguished visitors from a distance were John Donaldson, Charles W. Scott, Henry Robertson, John Miesem, F. W. Kelsey, Patrick O'Mara, all of New York; George Stewart, Tuxedo; Robert Hurley, from Duke's, Somerville, N. J.; J. F. Hiss, of W. A. Simpson & Co., Baltimore,

Md.; Wm. Nicholson, Framingham, Mass.; Wm. Swayne, Kennett; R. Montgomery, Natick, Mass. Last but not least among the visitors was the Hon. John Wanamaker, who under the pilotage of John Dodds made a tour of the show, and was as keenly interested as a boy. It is seldom this busy man of affairs gets time to go to a flower show, consequently we were justified in looking on this as something of an event.

List of Awards.

Chrysanthemum Plants—Four plants, four varieties—1st, Mrs. F. C. Penfield, gard. John McClary; 2nd, C. B. Newbold, gard. Samuel Batchelor. Three plants, three varieties, pink—1st, Mrs. F. C. Penfield; 2nd, C. B. Newbold. Three plants, three varieties, introduced in 1911—1st, Mrs. F. C. Penfield; 2nd, Mrs. Joseph F. Sinnott, gard. David Ingram. Specimen plants, in not over fourteen-inch pots—1st, Mrs. George H. McFadden, gard. David Alken; 2nd, Mrs. Joseph F. Sinnott. Specimen plant, in not over fourteen-inch pot—1st, Mrs. F. C. Penfield; 2nd, Mrs. George H. McFadden. Six plants, one variety, in not over six-inch pot—1st, Mrs. F. C. Penfield; 2nd, John W. Pepper, gard. William Robertson. Eight plants, four each of white and yellow, one bloom to a plant—1st, P. A. B. Widener, gard. Wm. Kleinheinz; 2nd, Mrs. F. C. Penfield. Six plants, yellow, in not over six-inch pot—1st, Mrs. R. B. Ellison, gard. Axel Lindroth; 2nd, Mrs. Chas. Wheeler, gard. William Fowler. Six plants, any color, in not over six-inch pots—1st, Mrs. R. B. Ellison; 2nd, Mrs. Chas. Wheeler. Six plants of Old Gold, single stems—1st, Mrs. R. B. Ellison; 2nd, Mrs. Charles Wheeler. Six plants Mrs. Wm. Duckham—1st, Mrs. R. B. Ellison; 2nd, Mrs. Charles Wheeler.

Chrysanthemum Cut Flowers—Vase of six blooms Mrs. Frank Thomson: 1st, P. A. B. Widener; 2nd, J. W. Pepper. Four vases, five blooms each, white, pink, yellow, any other color—1st, John Wanamaker, gard. John H. Dodds; 2nd, P. A. B. Widener. Vase of twenty-five blooms—1st, P. A. B. Widener; 2nd, J. W. Pepper. Fifty blooms—1st, Mrs. F. C. Penfield; 2nd, J. W. Pepper. Vase of twelve blooms Lynnewood Hall—1st, Countess Santa Eulalia, gard. Thomas Gaynor; 2nd, P. A. B. Widener. Twelve blooms—1st, J. W. Pepper; 2nd, John Wanamaker. Six vases, six varieties, five blooms each—1st, John Wanamaker; 2nd, P. A. B. Widener. Display of hardy chrysanthemums—1st, J. W. Pepper; 2nd, C. B. Newbold. Vase of six blooms T. D. M. Cardeza—1st, J. W. Geary, gard. James Bell; 2nd, P. A. B. Widener. Vase of five blooms Beatrice May 1st Mrs. R. B. Ellison; 2nd, Thomas J. Holland. Five blooms Colonel Appleton 1st, Mrs. Henry G. Stetson, gard. Joseph Pratt; 2nd, Mrs. Joseph F. Sinnott. Five blooms O. H. Broomhead—1st, Thomas Holland; 2nd, Mrs. R. B. Ellison. Five blooms—1st, Mrs. R. B. Ellison; 2nd, C. H. Clark, gard. James Slowey. Five blooms—1st, C. H. Clark; 2nd, Mrs. Henry G. Stetson. Five blooms—1st, Mrs. R. B. Ellison; 2nd, Thomas J. Holland. Five blooms 1st, Mrs. Henry G. Stetson; 2nd, Thos. J. Holland. Six blooms Mrs. Jos. F. Sinnott 1st, Mrs. George H. McFadden; 2nd, Mrs. R. B. Ellison.

HORTICULTURAL SOCIETY OF NEW YORK.

We present herewith a detailed report of the exhibits at the show in New York City, which we could not find room for in last week's issue. There was a total attendance of 45,000, of whom 26,000 attended on Sunday afternoon.

Chrysanthemum Plants.

John Canning, gardener for Adolph Lewishohn, put before the visitors three plants, the equals of which have never been seen in New York to say the least, and to which a special gold medal was awarded. For yellow, R. F. Felton, 10 ft. in diameter; for white, a 12 ft. specimen of *Lady Lydia*, said to bear 1200 flowers; and for pink, a 10 ft. plant of *Annie Laurie*. The seconds in these classes were won by Harry Turner, gard. for S. Untermyer, with smaller but elegant stock. His seedling bronze, No. 1, took 1st prize in the "any other color" class, and a 400-flower Garza won 1st in the anemone class. Wm. Cordes, gard. for F. V. Burton, won in all

the "Standard" classes and several varieties grown to the flower, with J. A. Manda, 2nd.

Chrysanthemum Blooms.

Harry Turner won on 12-inch pink, yellow and white, with O. H. B. second, F. S. Vallis and Mrs. D. Syne, collectively, and on "any other color" with Mary Mason, J. W. Everett, and J. L. Pratt, being 2nd. On the classes for 8's, Robert Bottondey, 2nd, for W. H. Lister, won in pint with F. L. Nash, J. W. Everett in yellow with Mary Donelson, Jas. Stuart, gard., for Mrs. F. A. Constable, in white, with Mrs. D. Syne and in "any other color" with Rose Pickett, J. W. Everett being second. On twenty-five varieties with 12-inch stem, James Stuart 1st, H. Turner 2nd, and on twelve varieties Alex. McKenzie 1st, H. Turner 2nd. Collection of hardys, H. Gaut 1st, P. W. Popp 2nd. Collection of singles, Jas. Stuart and J. W. Everett. Twenty-five varieties and on twelve varieties of pompons, W. J. Sealey and H. Gaut. C. H. Totty exhibited one hundred vases with one hundred varieties of single, pompon and anemone chrysanthemums. Splendid displays were also made by R. Vincent, Jr., & Sons, Thos. Meehan & Son, Scott Bros., Doubleday-Page Co.

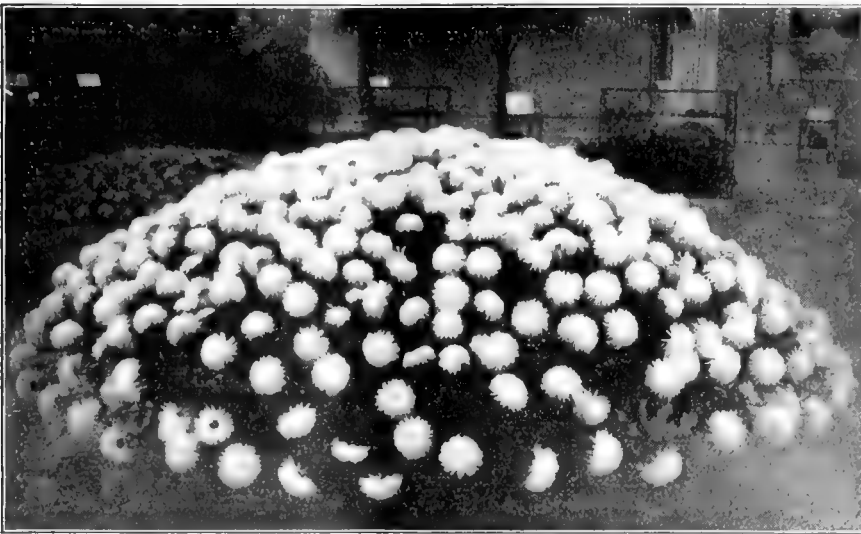
five varieties. On the orchid spray classes J. A. Manda, Wm. Cordes and F. P. Mossman were winners, the latter showing a six flowered spray of *C. labata*.

Decorative Plants.

100 ft. group flowering plants—1st, Harry Turner, 2nd, F. S. Vallis, Wm. Cordes. Display of *Nephrolepis* *altata* and its varieties, F. R. Pierson, with thirteen varieties, all demanding a place where ferns are used. Begonia *Gloire de Lorraine*, T. J. Jones, Rochs Co. 2nd, Wm. Reid, Celosia *Thompsonii*, W. Cordes. Twelve crotons, Chas. Webber, gard., to Mrs. J. Hood Wright, 3rd, Wm. Cordes. Specimen Boston fern; 1st, Harry Turner, 2nd, F. R. Pierson Co. *Davallia*, Chas. Webber, *Rhipis*, Wm. Cordes, 2nd. Geo. Glatras showed *Nephrolepis* *Glatrasii*.

Roses.

In the rose classes, L. A. Noe won four 1sts, L. B. Coddington two, F. R. Pierson Co., one, John Dervan five. From A. N. Pierson came Killarney Queen and Double White Killarney. From C. H. Totty, Sunburst, and it made a sensation. On the fourth day they were still in glorious condition. The three novelties were each awarded a silver medal.



Specimen Chrysanthemum Lady Lydia at New York Show.

and P. W. Popp, all of which formed a great galaxy of surpassing beauty.

Orchid Plants.

As mentioned last week the orchids were the great feature. For collection not less than twenty-five species and varieties. Lager & Hurrell were 1st with a table of great beauty and rarity. They won out also in the novelty class for plant not previously shown before this Society with *Brasso-Cattleya* *x Imperatrice de Russie*. Wm. Cordes won the gold medal for collection of not less than twelve species, J. P. Mossman, gard., to Clement Moore, won on three hybrids with *Brasso-Laelia* *x Veltheilii*, *Cattleya* *x Portia* and *Brasso-Cattleya* *x Portia* and *Brasso-Cattleya* *x Maronae*. Julius Roehrs Co. were second in this class with *Cattleya* *x Portia*, *Cattleya* *x Petersii* and *Cattleya* *x Princess*. On specimen hybrid Rochs won with a grand plant of *Brasso-Cattleya* *x heatonensis*, which also won the silver medal sweepstake. J. P. Mossman was 2nd with *Brasso-Cattleya* *x Sedeni*. Wm. Cordes won the silver medal for two orchids showing highest excellence in culture. 1st on *Vanda coerulea*, six *cattleyas* and *laelias*, six plants six varieties, six *cypripediums* and three *C. labata*. Specimen *cattleya*, Lager & Hurrell 1st, Wm. Cordes 2nd. On *onidium*, J. A. Manda 1st. *Cypripedium*, Edwin Thomas, with *C. insignis* *Sanderiae*, ten flowers. Dendrobium, Lager & Hurrell. Julius Roehrs Co. showed, not for competition, a splendid lot of commercial size orchids in bloom, for which a silver medal was awarded. Lager & Hurrell received a silver medal for a grand specimen of *Vanda Sanderiana*.

Orchid Flowers.

Joseph A. Manda won 1st on collection arranged for effect, with a very choice group well set up; Siebrecht & Sons, 2nd. Mr. Manda was first also on collection of *cypripediums*, of which he showed fifty-

and there last week. The only booth by the Retail Florists' Association, in which the display of plants by the association extended during the week, but not for competition. George Bros., the Metropolitan Floral Co., and Weber & Co. and Young & Sons exhibited some pretty work in a booth. The St. Louis Par. Department helped out greatly in filling the big hall by making a great display at the south end of the hall of decorative and blooming plants. Gorman & Gorly were the only exhibitors for the Shaw prizes, and were awarded all the firsts. The weather was perfect throughout the week, but the paid attendance was as usual, not up to expectations. The judges for the week were Fred H. Bruenig, John Steidle, R. F. Tesson, C. Bergestermann and Jules Burdet. Visitors during the week were Richard Vincent, Jr., President-elect of the S. A. F.; George Asmus, President of the S. A. F.; H. E. Philpott, President of the Chicago Florists' Club; A. T. Pfyer, Phil Foley, C. W. Johnson, Guy Reyburn, Aug. Poehlmann, E. F. Winterson, Adam Zender and Tim Waters, all of Chicago; Wallace R. Pierson, Cromwell, Conn.; Elmer D. Smith, Adrian, Mich.; C. H. Totty and W. H. Duckham, Madison, N. J.; Geo. Jack, Springfield, Ill.; W. J. Vesey, Jr., Fort Wayne, Ind.; A. F. J. Baur, Indianapolis, Ind.; H. Balsley, Detroit, Mich.; J. D. Carmody, Evansville, Ind.; W. J. Gullett Lincoln, Ill.; Morris Levine, New York; J. A. Peterson, Cincinnati, Ohio; Andrew Viand, Boston; James E. Jones, A. C. Mann, Richmond; C. J. Gaupp, Springfield, Ill.; J. F. Ammann and H. Blixen, Edwardsville; E. W. Guy, A. S. Halsted, C. Halsted, H. Edmunds, G. Grossoot, A. G. Fehr, Ed. Schoenberge, all of Belleville, Ill.

The society entertained the visitors with a banquet on Wednesday evening at the American Hotel, and the St. Louis Florists' Club took them in hand on Thursday afternoon to their meeting, after which a dinner was served at Lippe's, at which 81 attended, and it was a most enjoyable affair.

Prizes Awarded.

Display of decorative plants—1st, Wm. Schray & Sons; 2nd, C. C. Sanders; 3rd, Grimm & Gorly. Group variegated foliage plants—1st, Wm. Schray & Sons; 2nd, C. C. Sanders. 5 Kentias—1st, Wm. Schray & Sons; 2nd, Grimm & Gorly. 5 *Arecae*—1st, Koenig Floral Co. Specimen palm—1st, Wm. Schray & Sons; 2nd, Grimm & Gorly. *Ficus pandurata*—1st, Koenig Floral Co. *Ficus elastica*—1st, Wm. Schray & Sons. 3 *Nephrolepis Bostoniensis*—1st, Grimm & Gorly; 2nd, Wm. Schray & Sons. 5 *Nephrolepis*—1st, H. J. Jennemann, 2nd, Wm. Schray & Sons. 18 berried plants—1st, Koenig Floral Co.; 2nd, C. C. Sanders.

Carnations.

For fifty blooms Lawson shade, J. D. Cockcroft won with his seedling 310, which also won the prize for twenty-five of a variety not yet in commerce. Other carnation winners were Wm. Cordes and Max Schneider. C. H. Totty put up a large vase of *Wodenethe* and Chas. Weber has new Brooklyn, which received a certificate of merit. J. I. DONLAN.

THE ST. LOUIS FLOWER SHOW.

The Fifth Annual Flower Show opened its doors on Tuesday noon, November 7th, with a very nice display in all classes for the first day. The overhead decoration was of bunting and flags left over from a show



Display of Orchid Blooms by Jos. A. Manda at New York Show.

25 blooming plants, eight or more varieties. Chrysanthemums—excluded—1st, Wm. Schray & Sons; 2nd, C. C. Sanders; 3rd, F. J. Fillmore & Sons. 12 Geraniums in bloom—1st, Koenig Floral Co.; 2nd, C. C. Sanders. Blooming plant, other than Chrysanthemum—1st, Koenig Floral Co.; 2nd, Wm. Schray & Sons. Fern Dish—1st, Wm. Schray & Sons; 2nd, C. C. Sanders. Pair standard bay trees—1st, Henry Young & Son; 2nd, Wm. Schray & Sons. 12 Begonias—1st, C. C. Sanders. Group Chrysanthemum plants to occupy 100 square feet with Ferns, Palms or accessories—1st, Wm. Bruecker; 2nd, Koenig Floral Co.; 3rd, C. C. Sanders. 18 Pompoms—1st, John Steidle; 2nd, Koenig Floral Co. 18 Anemones or single varieties—1st, Koenig Floral Co.; 2nd, C. C. Sanders. Specimen white chrysanthemum—1st, Grimm & Gorly; 2nd, Wm. Schray & Sons; 3rd, Koenig Floral Co. Specimen, yellow—1st, Grimm & Gorly; 2nd, Koenig Floral Co. Specimen, any other color—1st, Koenig Floral Co.; 2nd, Chas. F. A. Steidle. Group of decorative plants, other than palms or ferns—1st, C. C. Sanders; 2nd, Wm. Schray & Sons. 25 Chrysanthemum plants, single stem—1st, Koenig Floral Co.; 2nd, C. C. Sanders. 12 plants, white chrysanthemum—1st, Koenig Floral Co. 12 plants, yellow—1st, Koenig Floral Co. 12 plants, any other color—1st, Koenig Floral Co. 5 plants, white—1st, Wm. Schray & Sons; 2nd, Koenig Floral Co. 5 plants, yellow—1st, Koenig Floral Co.; 2nd, Grimm & Gorly. 5 plants, any other color—1st, Koenig Floral Co.; 2nd, Grimm & Gorly. 3 plants, white chrysanthemum—1st, Wm. Schray & Sons; 2nd, Koenig Floral Co.; 3rd, F. J. Fillmore. 3 plants, yellow—1st, Koenig Floral Co. 3 plants, any other color—1st, Koenig Floral Co.; 2nd, F. J. Fillmore. Collection of hardy evergreens, twenty or more varieties—1st, C. C. Sanders. 100 blooms chrysanthemums, one variety in vase—1st, The E. G. Hill Co., with Chas. Razer; 2nd, Poehlmann Bros. Co., with W. H. Chadwick. 50 blooms, 5 varieties, 10 blooms in each vase—1st, The E. G. Hill Co.; 2nd, Elmer D. Smith & Co.; 3rd, Mt. Greenwood Cemetery Association. 4 vases carnations, 4 varieties, 50 blooms in each vase—1st, Chicago Carnation Co.; 2nd, A. C. Brown; 3rd, Poehlmann Bros. Co. 25 blooms of any new carnation seedling not yet disseminated.—Certificate of merit to Chicago Carnation Co. 25 blooms, white, introduction since 1908.—Certificate of merit to Chicago Carnation Co. 25 blooms, pink, introduction since 1908.—Certificate of merit to Chicago Carnation Co. 50 American Beauty Roses—1st, Poehlmann Bros. Co. 6 vases, 6 varieties Roses, 25 blooms in each vase—1st, Poehlmann Bros. Co.; 2nd, A. C. Brown. 25 blooms, any new seedling Rose, not yet disseminated.—Certificate of merit to A. N. Pierson, Inc., for Double White Killarney. 25 roses, pink, introduction since 1908.—Certificate of merit to Poehlmann Bros. for Dark Pink Killarney. 25 roses, any other color, introduction since 1908.—Certificate of merit to Poehlmann Bros. Co. Floral display, not less than four pieces—1st, Grimm & Gorly, design work representing the four ages. 25 blooms, chrysanthemums, white, one variety—1st, Elmer D. Smith & Co., with Naomah; 2nd, Poehlmann Bros. Co., with Chadwick; 3rd, W. J. and M. S. Vesey, with Lynwood Hall. 25 blooms, yellow, one variety—1st, Elmer D. Smith & Co., with Appleton; 2nd, Mt. Greenwood Cemetery Association, with Mary Donnellan; 3rd, Poehlmann Bros. Co., with Dolly Dimple. 25 blooms, any other color—1st, E. G. Hill Co., with Glenview; 2nd, Elmer D. Smith & Co., with Glenview; 3rd, Mt. Greenwood Cemetery Association, with Brutus. Display of pompoms—1st, E. G. Hill Co.; 2nd, C. H. Totty; 3rd, Mt. Greenwood Cemetery Association. Hammer of Chrysanthemums—1st, Koenig Floral Co. 50 Chrysanthemums arranged for effect—1st, Koenig Floral Co. Handle basket of chrysanthemums (Retail Florists' Association Prize)—1st, Grimm & Gorly.

C. S. A. Prizes.

10 Chrysanthemum blooms of any one variety—Silver Cup to Elmer D. Smith & Co. for Naomah. 10 blooms, Mrs. Jerome Jones—1st, C. H. Totty; 2nd, Koenig Floral Co. 12 blooms in 12 varieties, introduction of 1910 and 1911 (Elmer D. Smith prize)—1st, Wm. H. Duckham; 2nd, Elmer D. Smith & Co. 3 blooms, Mrs. G. C. Kelly (Wm. Wells prize)—1st, Wm. H. Duckham; 2nd, 6 sprays of single Chrysanthemums—Miss Hilda Wells (Wm. Wells prize)—1st, David F. Roy; 2nd, Elmer D. Smith & Co. 6 blooms, F. E. Nash (Chas. H. Totty prize)—1st, Wm. H. Duckham. 6 blooms, yellow seedling, of American origin



View in the Cincinnati Show.

(Henry A. Dreer prize)—Special to Elmer D. Smith & Co., with Aesthetic. 6 blooms, white seedling, of American origin (Philip J. Foley prize)—Special to Elmer D. Smith & Co., with Nontero. 10 blooms, pink Chrysanthemums, of American origin (J. C. Vaughan prize)—Silver Cup to C. H. Totty—seedling from White Duckham. 6 blooms, crimson or bronze seedling of American origin (Peter Henderson prize)—Special to C. H. Totty for seedling No. 67. 10 blooms, any other color never before exhibited in this country. (Lord & Burnham prize)—Gold Medal to C. H. Totty for Annie L. Angus. 10 blooms Emberta (E. G. Hill prize)—Special to F. H. Lemon Co. Best 10 blooms—Special to C. H. Totty. 10 blooms, Golden Gem (E. G. Hill prize)—Special to F. H. Lemon Co. 30 blooms, 6 varieties and 5 blooms each (Hitchings prize)—Silver Cup to Wm. H. Duckham. Chrysanthemums—50 blooms, 20 or more varieties—1st, C. H. Totty; 2nd, Elmer D. Smith & Co.; 3rd, The E. G. Hill Co. 25 blooms, 25 varieties—1st, W. H. Duckham; 2nd, Elmer D. Smith & Co.; 3rd, E. G. Hill Co. 12 blooms Chadwick—1st, Poehlmann Bros. Co.; 2nd, E. G. Hill Co. 12 blooms Emberta (E. G. Hill Co. 12 any other variety—1st, Poehlmann Bros. Co. with T. Eaton; 2nd, Elmer D. Smith & Co., with Naomah; 3rd, C. H. Totty with Lady Carmichael. 12 blooms Dr. Enguehard—1st, W. J. and M. S. Vesey. 12 blooms, any other variety—1st, E. G. Hill Co. with Wells Late Pink; 2nd, E. Smith, with Manhattan; 3rd, Mt. Greenwood Cem. Asso. with Mayor Weaver. 12 Golden Wedding—1st, E. G. Hill Co. 12 Maj. Bonaffon—1st, E. G. Hill Co.; 2nd, Poehlmann Bros. Co.; 3rd, W. J. and M. S. Vesey. 12 Col. Appleton—1st, Elmer D. Smith & Co.; 2nd, Poehlmann Bros. Co. 12 blooms, any other yellow—1st, E. G. Hill Co. with Yellow Eaton; 2nd, W. J. and M. S. Vesey with Golden Chadwick. 12 any other color—1st, C. H. Totty with G. C. Kelly; 2nd, E. G. Hill Co. with Pickett's Crimson; 3rd, Elmer D. Smith Co. with Glenview. 50 Ribmond roses—1st, Poehlmann Bros. Co. 50 Cardinal roses—1st, A. C. Brown. 50 Killarney pink—1st, Poehlmann Bros. Co.; 2nd, A. and H. Werner. 50 Killarney white—1st, Poehlmann Bros. Co.; 2nd, A. and H. Werner. 50 My Maryland—1st, Poehlmann Bros. Co. 50 Carnations, white—1st, Mt. Greenwood Cem. Asso. with Seedling; 2nd, Poehlmann Bros. Co. with White Enchantress; 3rd, A. C. Brown with White Enchantress. 50 light pink—1st, Poehlmann Bros. Co. with Enchantress; 2nd, Chicago Car. Co. with Pink Delight; 3rd, E. G. Hill Co. with Pink Delight. 50 dark pink—1st, Mt. Greenwood Cem. Asso. with Mrs. C. W. Ward; 2nd, Poehlmann Bros. with Mrs. C. W. Ward; 3rd, Chicago Car. Co. with Washington. 50 red 1st, Chicago Carnation Co. with Seedling 186; 2nd, Mt. Greenwood Cem. Asso. with Seedling 3508A; 3rd, Poehlmann Bros. Co. with Scarlet Glow. 50 any other color—1st, Mt. Greenwood Cem. Asso. with Mrs. H. E. McCrea. 50 roses, any other color—1st, Poehlmann Bros. Co. Bridal Bouquet—1st, Grimm & Gorly; 2nd, Henry Young & Son. 50 Carnations, one or more varieties—1st, Chicago Car. Co.; 2nd, Poehlmann Bros. Co.; 3rd, Mt. Greenwood Cem. Asso. Display of violets and lily of the valley—1st, Henry F. W. Aul; 2nd, Grimm & Gorly. Floral arrangement, "Engagement Gift"—1st, Grimm & Gorly. 100 roses arranged for effect—1st, Grimm & Gorly.

THE CINCINNATI SHOW.

The first flower show of any size that has been held in Cincinnati in seventeen years was opened on Monday of this week. From an artistic point of view the show on Monday and Tuesday was good but from a financial standpoint the opening days were far from being a howling success. Some of the shipments of chrysanthemums were caught in the sudden fall in the temperature. One, that of C. H. Totty of Madison, N. J., was entirely frozen. Judging from the appearance of the stock every one of the blooms would easily have been in the money were it not for the misfortune. On Tuesday evening Mr. Vincent gave a lecture, illustrated with stereopticon, on his European trip, particularly Holland. The carnations staged on that day were said to be some of the very best ever exhibited thus early in the season.

Prize Awards—First Day.

Chrysanthemum Plants—On specimen plants John Fries won five 1sts and two 3rds; Chas. Pfaffer one 1st, two 2nds, two 3rds; E. H. Fries one 1st, five 2nds, one 3rd. Six pompoms E. H. Fries 1st, R. Witterstaetter 2nd, E. Dellar 3rd. Six single pompoms, Witterstaetter 1st, Dellar 2nd, and on anemones the same. John Fries, best group; E. H. Fries, 2nd.

Chrysanthemum Blooms—On the classes for fifty blooms of specified color, Poehlmann Bros. won two 1sts; E. G. Hill Co., five 1sts, three 2nds; Elmer D. Smith, two 1sts, one 2nd, one 3rd; Henry Schwartz, one 2nd; R. Witterstaetter, one 3rd. On the classes for twelve blooms of specified color, E. D. Smith & Co., one 1st, three 2nds; E. G. Hill Co., six 1sts, one 2nd; R. Witterstaetter, one 1st, one 2nd; Theo. Bock, one 2nd. On one bloom each, 24 varieties: Hill 1st, Smith 2nd. Display of singles and display of pompoms: Hill 1st, Hartle & Elder 2nd, Witterstaetter 3rd in each.

Decorative Plants—Group: A. Sunderbruch & Sons 1st, G. Brunner's Sons 2nd, Max Rudolph 3rd. Pandanus, Lorraine begonias, begonias other than Lorraine: J. A. Peterson 1st on each, and in addition Mr. Peterson was awarded the S. A. F. silver medal for new begonia Westwood. On all the Boston fern classes, R. Witterstaetter 1st, except hanging baskets, where Ed. Dellar bested him. A. N. Pierson was awarded certificates of merit for Killarney Queen and Double White Killarney roses.

Second Day.

Carnations—On the classes for 100 blooms of specified color, Poehlmann Bros. won two 1sts, two 2nds; Chicago Carnation Co., three 1sts; Chas. Knopf Floral Co., one 1st, three 2nds; E. G. Hill Co., one 2nd. On the classes for 50 blooms of specified color, Poehlmann Bros., three 1sts, one 2nd; Chicago Carnation Co., one 1st, one 2nd; Chas. Knopf Floral Co., one 1st, one 2nd; E. G. Hill Co., two 2nds. On the 50s of 1911 introductions, Chicago Carnation Co. won four 1sts; Poehlmann Bros., one 1st; Chas. Knopf, one 2nd. Certificates of merit were

CLUBS AND SOCIETIES

PITTSBURGH FLORISTS' AND GARDENERS' SOCIETY.

Our expectations for a rousing meeting on Nov. 7th were abundantly realized, for it was Chrysanthemum Night, which always brings out a good attendance. The display of varieties was large and the quality good, and as has happened before at our meetings, the graceful and artistic singles competed strongly with the big doubles.

C. H. Totty, Madison, N. J., showed in doubles, Wm. Turner, Lady Carmichael and Annie L. Angus. Of these Wm. Turner drew special attention from the growers as a good commercial variety. It is a big white with the Appleton shape. Mr. Totty also exhibited a collection of singles, of which the most striking were Sylvia Slade and Hilda Wells, both crimson and E. Nottell, cream white. Merstham Gem and Emma L. Davis were also noticeable. The judging committee, Neil McCallum and David Fraser, awarded to Mr. Totty a cultural certificate for his display, considering Wm. Turner the best of the new doubles, and Sylvia Slade and E. Nottell the best singles of their color ever shown before the club.

Mr. Jenkinson, gardener for A. H. Peacock, showed 3 vases of standard doubles. For the private conservatory he considered Yellow Miller the best yellow and Beatrice May, the best white. The committee awarded him a cultural certificate.

W. A. Morten, an enthusiastic amateur, showed a vase of standard varieties grown under difficulties, which the committee considered a credit to him and awarded him a cultural certificate. Mr. Phillips, gardener for H. J. Heinz had a good display for which he was awarded a certificate of merit.

Fred Wissenbach, showed single and double chrysanthemums and Celosia, Pride of Castle Gould; cultural certificate. Pittsburg Cut Flower Co. showed fine single and double chrysanthemums. Among the singles Mary Richardson and Jno Gossimler were noticeable, and Lady Lee, a white, was especially charming. Of the doubles, Fred Burki, speaking for the Company, especially likes Thanksgiving Queen, a fine white. Brutus is the only bronze he grows. Maud Dean always comes good and can be planted close. Appleton is still a good commercial yellow. The committee awarded a cultural certificate and highly commended Appleton.

Homewood Cemetery, Wm. Allen, supt., showed a fine collection of doubles and a vase of blooms; certificate of merit. Walter James, gardener for Rev. Hilliard, Pittsburgh, showed collection of cut blooms—cultural certificate.

C. H. Godwin of Godwin Bros., Bridgeville, showed standard commercials. He thinks Early Snow the best early white, and called attention to the fact that he found the early varieties keep better than the late ones; certificate of merit. Randolph & McClements, among yellows like Negoya, which stands handling and lasts well, and Mrs. Geo. Wells and Clara Wells; certificate of merit.

The Bureau of Parks had an inter-

esting collection. No variety attracts more attention at the Park greenhouses than Reine du Japon, the petals of which are something like a cactus dahlia but longer and finer. They think Wm. Turner the best white double, and they certainly grow it to perfection; cultural certificate. Elliott Nursery Co. showed an Euonymus that they think better than radicans.

Subject for next meeting—Everybody Bring a Plant.

H. P. JOSLIN, Sec'y.

NASSAU COUNTY HORTICULTURAL SOCIETY.

The regular monthly meeting of the Nassau County Horticultural Society was held in Pembroke Hall. President Trepass presiding on Thursday evening, Nov. 9th. The manager of the fall show, Geo. Barton, and all those that helped him in his many and arduous duties received a very hearty vote of thanks from the members. Felix Mense offered a gold medal for the best 100 single violets to be competed for at the December meeting.

President Trepass took occasion to present to Henry Gaut the Stumpp & Walter silver cup which he won at the fall show for the best group of chrysanthemums, also the Mrs. F. S. Smithers cup for the best collection of hardy chrysanthemums. Henry Cliffe was presented with the Rickards Bros cup which he won for the best 18 blooms of chrysanthemums.

The result of the competition for the society's prize was as follows:

Chrysanthemums, pink, Henry Gaut; white, Henry Cliffe; yellow, Paul Reul. For two vases of seedling chrysanthemums a certificate of merit was awarded John F. Johnstone. For tomatoes Stirling Castle, honorable mention to F. Petroccia. For lettuce, cultural certificate to F. Petroccia.

The Society's prize in December will be for carnations, 12 white, 12 pink, 12 red. The election of officers will be held at the December meeting and that meeting and all others until further notice will be held in the afternoons, at 2 p. m.

E. WESTLAKE, Cor. Sec'y.

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

At the meeting on the 14th there was a large attendance, the principal business being nomination of officers for next year. The result was as follows: For president, Thomas Pegler; vice-president, Wm. J. Kennedy; secretary, W. N. Craig; treasurer, Peter Fisher; executive committee, W. J. Patterson, Peter Miller, Herman Barte, J. Van Baarda, A. E. Thatcher.

On motion of J. K. M. L. Farquhar the sum of \$50 was donated towards the Sweet Pea Society of America meeting to be held in Boston next July.

In the absence of a special lecture, Mr. Van der Vort gave an interesting short talk, speaking chiefly of some of the better flowering shrubs.

A very spirited discussion took place regarding closer relations with Amherst College. Seven new members were proposed.

NEWPORT HORTICULTURAL SOCIETY.

An important meeting of this Society was held on the evening of Nov. 14, the principal business being to consider the matter of co-operating with the new "Garden Association" in holding an out-door exhibition next June, as the Association some time ago suggested to the Society. After opening the meeting President Meikle stated that J. McLeish, A. MacLellan and himself as a committee from the Society had had an interesting interview with officers of the Association and learned that that organization is planning to have a very extensive display with many new and foreign ideas worked into the arrangements. It is expected that some of the features will be fancy plantings of shrubs, evergreens, annual and perennial plants in flower, and that encouragement will be given to bring exhibits from far and near. The exhibition will also be somewhat of a society event as the members of the Association are mostly owners of Newport estates. The information given about the plan of co-operation seemed to be agreeable to the members present, and it was unanimously voted to join in the undertaking.

Another pleasing feature of the meeting was the presentation of the silver cups to winners at the September Show. The honor of presenting these was given to Treasurer A. K. McMahon, who made a very pleasant speech in each case. John Mahan, gardener for H. D. Anchincloss, was the recipient of the Henry A. Dreer cup for collection of hardy perennial flowers, and also the Joseph Breck & Sons cup for collection of annuals. Wm. Grey is the happy possessor of the Stumpp & Walter Co. cup for a collection of vegetables, and J. Robertson is now the owner of the Rickards Bros.' cup for a table decoration. This pleasing ceremony was closely followed by rounds of cigars from the cup owners.

J. R.

ST. LOUIS FLORIST CLUB.

The club held a very interesting meeting last week, Nov. 9. It was the largest attended meeting the club has had for many years—no less than 90 being present. It was also noted for many distinguished visitors from different parts of the country. Among them were President Asmus, President-Elect Vincent, Jr. and Vice-President-Elect Poehlemaann of the Society of American Florists, H. A. Philpott and A. T. Pyfer, president and secretary of the Chicago Florists' Club, Elmer D. Smith, C. H. Totty, W. H. Ducham, E. Mann, A. F. J. Bauer, Wallace R. Pierson, Phil. Foley, C. W. Johnson and W. J. Vesey, Jr. The meeting adjourned early to Lippe's Cafe for a dinner with all the visitors at the head table. After a good meal President Windler made an address of welcome and announced Fred. Ammann as toastmaster, who drew out some enjoyable speeches from the guests. At the close of the talks the party were taken in a body to the flower show at the Coliseum.

AMERICAN ROSE SOCIETY.

Prize schedule for the exhibition at Detroit, Jan. 10, 11, 12, 1912. Division A.—Display of Cut Roses covering not less than 200 square feet of space, and not to contain less than 200 blooms, quality of blooms and effect to be considered, and decorative green of any kind, including plants, permitted: first prize, \$150.00; second, \$100.00; third, \$75.00.

Division B.—50 American Beauty, first prize, \$50.00; second, \$30.00; third, \$20.00; 50 Killarney; 50 Dark Pink Killarney; 50 Double Pink Killarney; 50 White Killarney; 50 Double White Killarney; 50 Richmond; 50 My Maryland; 50 Mrs. Jardine; 50 La Detroit; 50 Mrs. Aaron Ward; 50 Lady Hillingdon; 50 Melody; 50 Radiance; 50 Rose Queen; 50 Prince of Bulgaria or Antoine Rivoire; 50 any other disseminated variety, first prize, \$25.00; second \$15.00, in each class.

Division C.—25 American Beauty, first prize, \$25.00; second, \$15.00; third, \$10.00; 25 Killarney; 25 Dark Pink Killarney; 25 Double Pink Killarney; 25 White Killarney; 25 Double White Killarney; 25 Richmond; 25 My Maryland; 25 Bride; 25 Bridesmaid; 25 Golden Gate or Uncle John; 25 Sunrise or Sunset; 25 Kaiserin Augusta Victoria; 50 Bon Silene; 25 Cardinal; 25 Rhea Reid; 25 Chatenay; 25 Mrs. Potter Palmer; 25 any other disseminated variety, first prize, \$10.00; second, \$5.00 in each class.

Division D.—For New Roses not in Commerce—50 Blooms—first prize, \$50.00; second, \$25.00.

Division E.—Retailers' Prize. For Artistic Display of Cut Roses, and with such accessories as the exhibitor may desire, first prize, \$100.00; second, \$50.00; third, \$25.00.

Division F.—Open to private gardeners and amateurs only. For collection, not less than 10 blooms of each. American Beauty, first, \$6.00; second, \$4.00; Killarney; Dark Pink Killarney; Double Pink Killarney; White Killarney; Richmond; My Maryland; Bride; Bridesmaid; Golden Gate or Uncle John; Sunrise or Sunset; Bon Silene; Kaiserin Augusta Victoria; Cardinal; Rhea Reid; Chatenay; Mrs. Potter Palmer; any other disseminated variety, first, \$4.00; second \$2.00 in each.

Special Prizes.—In this section the prizes offered are for special exhibits, by one and another friend, who wishes to encourage rose culture or is an admirer of the "Queen of Flowers," and the list grows up to the opening of the exhibition, and is always a subsequent list to the general list and usually embraces a considerable number. The secretary will be happy to receive notice from any one so disposed. 1. The Society of American Florists' silver medal may be awarded for best grown Rose plant or group of plants, should there be an exhibit of sufficient merit. 2. The Dorrance Challenge Prize for the largest and best display of Cut Roses, offered by Benjamin Dorrance, Dorranceton, Pa., a valuable silver medal properly engraved.

For the best new Rose of American or foreign origin not yet disseminated, the society's medal or certificate.

BENJ. HAMMOND, Secretary.
Nov. 11th, 1911.

NEW YORK FLORISTS' CLUB.

The meeting on Monday evening, Nov. 13, was a very interesting one, with about 150 present including ladies, it being "Ladies' Night." The great event of the evening was an illustrated lecture by J. Otto Thilow, who was at his very best, which amounts to saying he was inimitable.

Officers were nominated for the coming year, as follows: President, J. B. Nugent, Jr., Joseph A. Manda, I. S. Hendrickson; Vice-President, Philip Einsman and John Rasbach; Secretary, John Young, W. G. Badgley; Treasurer, W. C. Rickards, Jr., W. H. Siebrecht, Jr., C. W. Scott; Trustees, Philip Kessler, John Donaldson, Wm. Duckham, R. G. Wilson, F. A. Bolles, Harry Turner.

There was an interesting showing of novelties on the exhibition table. The list and awards was as follows: Carnation Wodenethe, from C. H. Totty, vote of thanks; carnation seedling 310, from J. D. Cockcroft, 84 points; rose Improved White Killarney, from S. J. Reuter & Son, 85½ points and preliminary certificate; carnation Brooklyn, from Charles Weber, vote of thanks; carnation seedling No. 46, from C. H. Proctor, vote of thanks; seedling petunia, A. T. Boddington, honorable mention; rose White Killarney, Robert Simpson, vote of thanks. The committee on awards reported having visited C. H. Totty's place on October 25, to see the new rose Sunburst growing and awarded it 90 points.

The musical program which had been prepared was curtailed on account of the lateness of the hour. Mrs. Maurice Glass and J. Hayes contributed solos. The house committee looked after the inner man (and woman) in fine style.

MASSACHUSETTS HORTICULTURAL SOCIETY.

The trustees of the Massachusetts Horticultural Society announce the following list of committees of the society for the year 1912:

Finance—Walter Hunnewell, chairman, Arthur F. Estabrook, Stephen M. Weld.

Prizes and Exhibitions—John A. Pettigrew, chairman, Robert Cameron, William Downs, J. K. M. L. Farquhar, M. A. Patten, Wilfrid Wheeler.

Plants and Flowers—T. D. Hatfield, chairman, Arthur H. Fewkes, William Nicholson, Thomas Roland, William C. Rust, William Sim.

Fruits—Edward B. Wilder, chairman, William Downs, Wilfrid Wheeler.

Vegetables—Duncan Finlayson, chairman, W. N. Craig, Edward Parker.

Gardens—Charles W. Parker, chairman, Jackson Dawson, Arthur H. Fewkes, Thomas J. Grey, T. D. Hatfield, William Nicholson, William P. Rich, David F. Roy, Charles Sander, William Thatcher, Wilfrid Wheeler.

Library—Charles S. Sargent, chairman, Ernest B. Dane, George B. Dorr, Charles S. Minot.

Lectures and Publications—Robert Cameron, J. K. M. L. Farquhar, Edward B. Wilder.

Children's Gardens—H. S. Adams, chairman, Joseph Clark, H. S. Rand, William P. Rich, B. Hammond Tracy, James Wheeler.

WM. P. RICH, Sec'y.

SWEET PEA EXHIBITION FOR 1912.

The following committees have been appointed in connection with the Sweet Pea Society's Exhibition to be held in Boston in conjunction with the Massachusetts Horticultural Society's Show, July 13th and 14th, 1912.

Executive Committee—John K. M. L. Farquhar, Chairman; W. A. Burpee, A. C. Zvolanek.

Manager of the Exhibition—Robert Cameron.

Schedule Committee—James Wheeler, Chairman; Wm. N. Craig, Sidney Hoffman.

Committee on Medals—Thomas Roland.

Commercial Growers' Committee on Prizes and Rules—James Wheeler, Chairman.

Gardeners' Committee on Prizes and Rules—Wm. N. Craig, Chairman.

Retailers' Committee on Prizes and Rules—Sidney Hoffman, Chairman.

Seedsmen's Committee on Prizes and Rules—H. E. Fiske, Chairman.

Other committees will be announced later.

CHRYSANthemum SOCIETY OF AMERICA.**Work of Committees.**

Report of examining committees follow:

Exhibited at New York, Nov. 1, by Chas. H. Totty Madison, N. J., Ramopo, Yellow, Jap. Inc., com. scale 87 points; Wm. Turner, White, Jap. Inc., com. scale 93 points Ex. scale 93 points; by A. C. Van Gaasbeck, Orange, N. J., Seedling No. 1, Pink, Jap., com. scale, 85 points.

Exhibited at Chicago, Nov. 4, by Hartje & Elder, Indianapolis, Ind., Seedling No. 59, Pink, Pompon, 93 points; at Cincinnati, Nov. 4, Seedling No. 59, Pink, Pompon, 93 points.

Exhibited at Chicago, Nov. 4, by Elmer D. Smith & Co., Adrian, Mich., Clea, single, 85 points.

Exhibited at St. Louis, Nov. 9, by Elmer D. Smith & Co., Manhattan, Light Pink, Jap., com. scale 86 points, Ex. scale 83 points.

CHARLES W. JOHNSON,
Secretary.

FLORISTS' CLUB OF PHILADELPHIA.

Committees for 1911-1912, appointed Nov. 7, 1911.

Club Room.—Fred Hahman, chairman; D. T. Connor, John Westcott, Geo. Burton, John H. Dodds.

Games.—Geo. Anderson, chairman; Wm. Robertson, W. G. Rowley, Theodore Shober, Geo. Craig.

Novelties.—Robert Craig, chairman; E. A. Stroud, Wm. Kleinheinz, Harry S. Betz, Alfred M. Campbell.

Essay.—Arthur Niessen, chairman; Geo. C. Watson, Chas. E. Meehan.

Membership.—Henry F. Michell, chairman; Leo Niessen, Edward Reid.

Exhibits.—Robert Kift, chairman; A. Farenwald, J. F. Sibson.

SOCIETY OF AMERICAN FLORISTS.**Department of Registration.**

Objections having been withdrawn, public notice is hereby given that the registration of the Rose, "Oriole," by Jackson & Perkins Company of Newark, Wayne County, N. Y., becomes complete.

H. B. DORNER, Secretary.
November 9, 1911.

TWO NEW CHRYSANTHEMUMS BY ELMER D. SMITH & CO.



PINK JEM

Mr. Smith writes that while his best blooms did not exceed 6 inches in diameter their pleasing shade of light pink, perfect form, ideal stem and foliage immediately places this variety in the front rank of the commercial sorts.—C. S. A. Certificate.



AESTHETIC

Exceptionally beautiful as the name implies. The petals closely incurve and are so arranged as to form distinct tiers of puffs or rolls rather than the regular contour usually seen in the incurved section. Its exquisite shade of delicate primrose as displayed by the unique form immediately appeals to those of refined taste.—C. S. A. Certificate.

DURING RECESS.

Chicago Bowling.

The scores on November 8 were as follows:

VIOLETS		CARNATIONS.	
Wetzel	139 23 152	Edman	146 139 120
Huebner	135 137 141	Baker	151 147 119
Holt	171 159 235	W. Smith	164 139 164
Frederick	134 161 195	Schultz	150 182 176
Boeglin	138 134 193	A. Zech	172 201 160
ROSES		ORCHIDS.	
Huebner	137 141 134	Huebner	134 179 179
Holt	179 229 179	Graff	130 177 177
Schulz	137 141 169	W. Smith	150 115 142
Wetzel	134 139 139	Holt	161 162 187
Holt	137 137 137	J. Zech	169 134 137

The December tournament is acting as incentive to faithful practice and best efforts, some of the scores creeping up well each night.

New York Florists' Bowling Club.

There was an augmented attendance at last Friday night's meeting and consequently the thermometer of hilarity kept at the highest mark all through the performance, what with Scott's descriptions of the game and deer battles recently near Richmond, Va., where the noise was likened to that in Civil War times and the ever-flowing stream of wit and wisdom from all present—well, to say the least, it was one of those "nights." The army of ball throwers were lined up under two captains, Fenrich and Chadwick, and each contestant was emphatically advised on the best methods of delivering the spheroids. Chadwick was

in great form; we recommend a look at his figures. The scores were as follows:

Chadwick	191 227 247	Fenrich	170 171 195
Nugent	194 121 126	Scott	130 128 142
Holt	121 159 138	Rickards	158 114 123
Young	156 161 114	Weston	67 102 75
Zangerl	157 197 129	Hanck	93 94 103

INCORPORATED.

Louisville, Ky.—The Hall Seed Co., capital stock \$50,000.

Painesville, Ohio.—The Painesville Garden & Greenhouse Co., capital stock \$20,000. Alfred E. McKee, incorporator.

Raleigh, N. C.—C. A. Lyle & Co., to do a general florist business, capital stock \$25,000. Incorporators, Frank Stronach, Mary Stronach and Norbert Stronach.

Forest Park, Ill.—Klimmer's Greenhouses, general florist and seed business; capital stock \$5,000. Incorporators, Augusta, Frank and Minnie Klimmer and Lillie Zander.

We learn from P. Ouwerkerk, representing Association Flora of Boskoop, that *Azalea mollis* is very scarce in Holland on account of the dry summer and more have been sold than can be delivered for this fall. A few years ago there were so many *Azalea mollis* grown in Holland and in Belgium that the prices came down so low that many of the growers reduced their stock for outplanting so that they will continue to be scarce for a few years to come.

CLUB AND SOCIETY NOTES.

The George Robert White medal of honor has been awarded this year by the trustees of the Massachusetts Horticultural Society to Victor Lemoine of Nancy, France.

It is stated that fully 3000 visitors attended the opening of the chrysanthemum show at the park board greenhouses in Minneapolis, on November 5. The exhibition will be open for two weeks. Louis Boeglin is the gardener in charge.

The program of the 38th Annual Convention of the Horticultural Society of Southern Illinois, has been issued. The meeting will be held at Anna, Ill., on Nov. 23 and 30. There will be an exhibit of fruit and the discussions will be on fruit topics.

At the regular meeting of the Cincinnati Florists' Society on Saturday, at the Cincinnati Cut Flower Exchange, the reports of outstanding committees were heard and approved. Fred Backmeier was elected to membership in the organization. The president appointed reception committees for the flower show.

New York, N. Y.—Fire was discovered amongst the stores on an upper floor of Kervan's in 28th street, on Thursday evening last, and it was only by the prompt actions of the staff a very serious fire was prevented.

WASHINGTON NOTES.

Mr. Goudy visited many of the local trade last week in the interests of H. A. Dreer of Philadelphia.

Walter Hengel, late with Habermehl of Philadelphia, has entered the employ of Z. D. Blackstone.

W. A. Bollinger of Bethesda, Md., is now in Texas for a short stay on business pertaining to the Federal government.

W. F. Gude, at the annual election, was made a member of the board of directors of the Washington Board of Trade. The election was a spirited one, there being more candidates than vacancies, but Mr. Gude polled within thirty votes of the head of the ticket.

W. R. Smith is receiving the congratulations of his very many friends on his recovery from what was at first thought to be a fatal illness. Information has been given out at the Providence Hospital that he would be seen on the street before many days have passed. Mr. Smith has had quite a siege of it but has borne the pain and illness incident thereto with remarkable fortitude.

F. H. Kramer has been holding his annual show of chrysanthemums and the display has caused his store to be crowded with admiring visitors. Chrysanthemums of all varieties and colors, shapes and sizes were to be seen and some mighty good stock was shown. The greenhouse was appropriately decorated with ferns, smilax and roses and at the rear was massed a forest of palms. Japanese lanterns cast a pleasing soft toned light on the whole.

Prominent among those present at the "get together dinner" of the Retail Merchants' Association on November 8, were William F. and Adolphus Gude and Otto Bauer of the Washington Florists' Co. The dinner was held primarily to bring together merchants of all lines and for the discussion of methods tending to do away with various trade evils which now beset them. An informal reception preceded the dinner. The big dining and reception rooms of the New Ebbitt House were utilized for the occasion. An orchestra furnished music throughout the evening and a quartet and several soloists with the aid of the toastmaster kept the guests in the best of humor. There are now a number of florists who are members of this association and a campaign is to be started to get others to enroll.

Z. D. Blackstone held a reception this week following the completion of extensive alterations to his store at Fourteenth and H streets, N. W. The two sides of his store have been torn down and replaced by large display windows with mirrored pillars and top and concealed electric lights. New iceboxes have been installed and one of the walls covered with mirrors. The interior of the store has been colored French gray with a lattice work effect in white and on a sort of mezzanine floor running around the walls, potted ferns, palms and smilax have been placed. The tables are of marble with the lattice work bases made from designs furnished by Mr. Blackstone. A new system of lighting has been put in and the store is one of the handsomest in the south. With their congratulations, a number of whole-

sale firms and growers sent floral offerings and many of the local tailors have called on Mr. Blackstone wishing him continued success.
CLARENCE L. LINZ

CHICAGO NOTES.

Business Changes.

In addition to the list of business changes recorded last week H. W. Metz & Co. have gone out of the retail business at 401 S. Ashland boulevard where they have been for the last four years. Their store has been leased by J. F. Carnik & Co., a couple of young men who have for the past two years had a store at 1514 W. Chicago Ave. and will now have both places. They are remodeling the new store and greatly improving the lighting and other equipment and will have a first-class store in every respect. The location is a choice one.

The Athenaeum Floral Co. has given up the store opened up four months ago on E. Van Buren St. and will make use of the basement salesroom only, hereafter.

Richard Rolston, who has had many and varied experiences in the florists' line has now abandoned the business and gone into other work.

Hallowe'en Party.

The store and office employees of the Geo. Wittbold Co. of Edgebrook, of Buckingham Place and of their North Clark street store enjoyed a banquet and social evening at the residence of Fred Wittbold. The tables were set in the large basement and these and the room were trimmed in a way suitable to the season. Dancing and games made an occasion not soon forgotten.

Miscellaneous News.

A new incorporation is under way to take over the old D. D. Johnson Co.'s business of manufacturing the Evergreen Brands of Fertilizer. Nothing to date has been completed but some excellent business men have the matter under consideration.

The E. Wienhoeber Co., for many years has had fall openings which have showed much more than ordinary taste and elegance and this year was no exception unless it was exceptionally good. Table decorations were a feature and the work in all lines was much admired during the three days' exhibition.

Invitations are out for the marriage of Martha Robakowski and Frank W. Paszkiet, Nov. 22nd, at St. Mary's Church. An all day and evening reception follows the early wedding according to the custom of that nationality. Frank is receiving his full share of attention from his fellow employees, but is a model of good nature.

The lessons to be learned from the Land Show are no longer doubted by any one and the Chicago florists are anxious to get their share. The arrangements and decorations alone are worth studying and among the varied products of the entire country are hints in plenty to the ones who are looking for them. The third annual event opens Nov. 18th.

Visitors: J. J. Karins, representing H. A. Dreer, Philadelphia; Chas. Fuhlbrugge, Kansas City, Mo.; J. G. Layton, Louisiana, Mo.; Paul M. Paley, Little Rock, Ark.; J. A. Fisher, Kalamazoo, Mich.

To try and do away with the middleman in the bulb importing business is like trying to economize on the policeman in the middle of a busy street. It's a sort of finesse that seldom works out profitably. There are so many ways a buyer can become a loser by doing his own importing that it is not policy for the average grower to do it. It is a business by itself, and it's better for most buyers to buy from an American house than a foreign one, because you can get in quick, close touch with those responsible without difficulty and expense. This alone has saved buyers many a dollar that would otherwise have been lost to brokers and other parasites whose business it is to prey upon the unwary and ignorant in all sorts of ways that cost money. Buy your bulbs and plants from good first-class American houses—in the long run you can't do better anyway, and, besides, by helping Americans you help yourself and encourage home industry. What business do you get from a man entirely foreign to this country? Who supports you and your business—the Americans or the foreigners? Support those who support you—and, above all, don't let a foreigner sail home with a mortgage on your bank account and a lien on your business.

In the interest of Horseshoe Brand Bulbs. Write for prices.



Ralph M. Ward & Co.

12 West Broadway

NEW YORK CITY

Seed Trade

The Seed Disclaimer Upheld.

The following Supreme Court decree will be of considerable interest to the American seed trade:

State of Wisconsin. In Supreme Court. Leonard Seed Company, Plaintiff and Respondent, vs. The Cary Canning Company, Defendant and Appellant.

On February 14, 1908, plaintiff and defendant entered into a contract whereby the plaintiff agreed to sell to the defendant certain varieties of seed peas. Among other things, the plaintiff agreed to furnish one thousand bushels of "Advancer" peas, such peas were to be grown during the season of 1908, to be delivered after harvest, but in season for the planting trade for the year 1909. A quantity of peas was delivered under this contract to the defendant, it giving its promissory notes in payment therefor according to the terms of the contract. The peas so sold were in turn sold by the defendant to various farmers for the purpose of planting, and under contracts by virtue of which the farmers agreed to sell the peas raised from such seed to the defendant. The plaintiff brought action upon the notes. The defendant, among other things, interposed a counterclaim setting forth that the peas furnished were not "Advancer" peas; that they were received by the defendant without knowledge of that fact; that there was no means of discovering that they were not "Advancer" peas until after they had been sowed and the seed had germinated, and that as soon as the defendant discovered that the peas were not of the variety purchased it notified plaintiff. The counterclaim further set forth that the peas were mixed with other different varieties, making it impossible to harvest them without a mixture of over-ripe peas of varieties other than "Advancer." Facts are pleaded tending to show damage, and judgment is asked for the amount thereof. On the trial the court allowed the defendant to amend its answer by setting up a new counterclaim for the purchase price of the peas. The trial court held that the peas were sold without warranty as to quality or description, and directed a verdict for the plaintiff for the amount claimed, less \$33.75. The peas were shipped from Chicago and invoiced on the basis of fifty-six pounds to the bushel. The court held that the defendant was entitled to receive sixty pounds per bushel, and hence made the foregoing reduction. From a judgment in plaintiff's favor defendant appeals.

The contract for the sale of the peas contained the following provisions:

"It is also understood and agreed that the party of the first part (plaintiff) does not give, and its agents and employees are forbidden to give, any warranty, express or implied, as to description, quality, productiveness, or any other matter, of any seeds, delivered or to be delivered by it, and that it is not, and will not be in any way responsible for the crops."

Counsel for the appellant admit "that plaintiff is freed by the terms of this contract from all liability as to the seed in question being good or bad, large or small, wrinkled or smooth, black or white, wormy, sound, vital or dead." But counsel argue that the peas furnished under the contract must be of the "Advancer" variety and that plaintiff was not relieved by its contract from liability for damage resulting from furnishing peas other than "Advancer" peas. It was practically conceded on the argument that the clause quoted was intended to exempt the plaintiff from such liability as was sought to be enforced against it under the counterclaim in this action. The concession was adversely made. The peas to be delivered under the contract were described therein as "Advancer" peas. But the contract provided that no warranty express or implied was given that the peas furnished should be of the description named therein. If a dealer in seed peas can exempt itself from liability for selling bad, wormy or dead peas to a grower, no good reason is apparent why it cannot go further and say that it will not be responsible in the event of an intermixture of other peas with the variety agreed to be furnished. Neither of the parties here are under an obligation or incompetent to contract. There is no claim that the contract signed was not the one agreed upon or that both parties did not fully understand what they were agreeing to. Plaintiff plainly undertook to relieve it-



New Times, New Things

The old fertilizer formulas are giving way to the new. At every farmers' meeting one subject should be the fertilizer formula



that will furnish a balanced ration to the crop and keep up the fertility of the soil. To do this the fertilizer should contain at least as much

POTASH

as Phosphoric Acid. Our note book has condensed facts essential in farmers' meetings and plenty of space to record the new things that you hear. Let us send one to you before your Institute meets.

A supply of these is furnished by request to every institute held in several states. We will be glad to send a supply delivered free of charge to every Institute, Grange or Farmers' Club Officer on request. It contains no advertising matter.

GERMAN KALI WORKS, Inc.

Continental Building, Baltimore, Md.

Monadnock Block, Chicago, Ill.

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self from liability in case of intermixture and defendant agreed that it should be relieved. It is not claimed that the contract is void because contrary to public law or to public policy, and, if not, effect should be given to it. The vendee might reject and refuse to receive the peas if they were not "Advancer" peas, or it might well be that in the event of the shipment being made in bad faith, and with the purpose and intention of committing fraud upon the vendee, an action for damages for the fraud would lie, but we have no such case before us. If it be conceded that the contract is one-sided, it must also be conceded that the parties had a right to make a one-sided contract if they saw fit.

Counsel for appellant cite the following authorities to sustain the contention that, notwithstanding the agreement of the parties, there was a warranty that the peas sold would answer the description contained in the contract, or in any event that there was a breach of a condition of the contract by the failure of the plaintiff to furnish the thing contracted for. *Josling v. Kingsford*, 13 C. B. (N. S.) 447; *Columbian L. W. & D. Co. v. Douglas*, 33 L. R. A. 105; *Shepherd v. Kain*, 5 B. & Ald. 240; *Allan v. Lake*, 18 Q. B. 590; *Weller v. Schilizzi*, 17 C. B. 619. These cases do not hold that a party selling an article under a designated name may not relieve himself from liability in his contract of sale, in the event that the article delivered does not answer the description contained in the contract. Some very general language is used in the contracts of sale involved in the cases cited, and in some of them it might well be construed as being broad enough to extend to the description of the article, but in none of the cases has it been so construed. These cases were decided upon the theory that this general language was intended to refer to the quality of the article furnished and not to the description of the article itself. In *Taylor v. Bullen*, 5 Exch. Rep. 779, where an article was sold and the party undertook to relieve himself from liability in his contract of sale by stating that he would not be liable for "any defect or error whatsoever," it was held that the word "error" was broad enough to include an error in description as well as an error in quality, and that there was no liability on the part of the vendor, even though the article furnished did not answer the description of the article contracted for.

If the seller expressly refuses to warrant, there can be no excuse for raising an implied warranty. *Habershon v. Rodriguez*, 1 Speers (S. C.) 314; *Farr v. Gist*, 1 Rich. Law (S. C.) 68; *Fauntelroy v. Wilcox*, 80 Ill. 477; *Lynch v. Curfman*, 65 Minn. 170.

The case of *Blizzard Brothers v. Growers' Canning Co.*, 132 N. W. (La.) 176, is directly in point. There a packet was marked "Large cheese pumpkin seed" and sold as such, when in fact it contained "Connecticut pie pumpkin seed" mixed with a few squash. On the package the following war-

ranty was printed: "While we exercise great care to have all seeds pure and reliable and true to name, our seeds are sold without any warranty, express or implied, and without any responsibility in respect to the crop." There was no evidence to show that the purchaser read this warranty, but there was evidence showing that it was a general custom among seed men to sell seeds without warranty as to quality and as to true name, and such custom was held to be binding upon the purchaser. A contract deliberately entered into between two parties exempting one of them from liability in case seeds sold are not true to name, should be as binding as a custom among dealers not to sell with a warranty that the seeds furnished are true to description.

As before stated, we do not hold that, if the plaintiff acted in bad faith and with the intention of deceiving and defrauding the defendant, or even if it failed to exercise due care and caution in selecting the seed, the latter would not have a cause of

(Continued on page 704)

HYBRID ORCHIDS

FLOWERED AND
UNFLOWERED....

Julius Roehrs Co.

Rutherford, N. J.

CYPRIPEDIUM CAUDATUM

We have received a small importation of this almost extinct orchid and can offer a limited number of same at moderate prices. Write for particulars.

LAGER & HURRELL, SUMMIT N. J.

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PLANTS and FLOWERS always on hand

ORDONEZ BROS.

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DREER'S SPECIAL VALUES IN PHOENIX ROEBELENI



Our stock of this beautiful, graceful, hardy Palm is in prime condition and of good value.

PHOENIX ROEBELENI. Specimens

6 in. pots, 1½ ft. high, 2 ft. spread	\$2.00 each
8 in. tubs, 20 to 22 in. high, 24 in. spread . .	3.00 each
8 in. tubs, 2 ft. high, 2½ ft. spread heavy . .	5.00 each
12 in. tubs, 2½ ft. high, 3 ft. spread heavy . .	12.50 each
14 in. tubs, 3 ft. high, 4½ ft. spread heavy . .	35.00 each
15 in. tubs, 3 ft. high, 6 ft. spread heavy . . .	50.00 each

A nice lot of young plants in 2¼ inch pots for growing on. \$1.50 per dozen; \$12 per 100; \$110 per 1000.

For a complete line of Seasonable Decorative Stock see our Special Circular of October 12th. If you did not receive a copy write us and we will send you one.

Are you interested in Dahlias, either as a cut-flower proposition or for cataloging? If so send for our Special Wholesale Catalogue of Dahlias quoting special prices on field roots for early orders.

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VINES AND CLIMBERS, AUTUMN BULBS
AND ROOTS, CONIFERS, PINES.

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Rutherford, N. J.

American Grown Roses

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens.

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HARDY NORTHERN GROWN NURSERY STOCK

WE GROW EVERYTHING FOR PLANTING THE HOME GROUNDS
A GENERAL ASSORTMENT OF

Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc., Etc.

Our Illustrated and descriptive Catalogue for the asking

THE BAY STATE NURSERIES, North Abington, Mass.

Large Arborvitae, Hemlock and Norway Spruce.

THE FINEST IN THIS COUNTRY. Also other large Evergreens. Some large deciduous trees and large shrubs. Evergreens with balls. State sizes in writing for prices.

THE F. E. CONINE NURSERY CO.,

Stratford, Ct.

JOHN T. WITHERS, Inc.

Landscape Architect and Forester

1 Montgomery St., JERSEY CITY, N. J.

Tree Renovation by Expert Operators.
Stereopticon lectures on Horticulture and Arboriculture.

Box Trees

and other EVERGREENS for Tubs and Boxes

Our Prices are Always Right—Catalog Free

THE NEW ENGLAND NURSERIES, Inc.
BEDFORD, MASS.

DIRECT IMPORTATIONS

Bay Trees, Kentias, Azaleas, Valley Pips, Roses, Rhododendrons, Boxwood, Manetti, Evergreens, Jap. Lilies, Raffia, etc., etc.
Nursery stock from France, Holland, England and Japan.

McHutchison & Co. 17 Murray St.
New York, N. Y.

HOLLAND NURSERIES

Best Hardy Rhododendrons, Azaleas, Conifers, Clematis, H. P. Roses, Shrubs, and Herbaceous Plants.

P. OIJWERKERK, 216 Jane St., Woburn Hgts.
P. O. No. 1, Hoboken, N. J.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 48th STREETS, PHILADELPHIA, PA.

Seed Trade

(Continued from page 703)

action for the resulting damage. No such cause of action has been stated in the counterclaim and no claim was made on the argument that any such cause of action was relied upon or existed.

The ruling of the trial court excluding testimony tending to show that the peas furnished were not "Advance" peas, was correct on the record presented. There was present but one of two elements that were necessary to constitute a cause of action. The element of bad faith was not presented by the pleadings, and no claim was made by counsel that such bad faith existed. We find no error in the record.

By the Court.—Judgment affirmed.

Foreign Trade Opportunities.

(Inquiries in which addresses are omitted are on file at Bureau of Manufactures. In applying for address refer to file number.)

No. 7574. Vegetable and Flower Seeds.—An American consular officer in a Latin American country, in response to inquiries from the United States, writes that the leading dealer in vegetable and flower seeds in his district would be glad to enter into relations with concerns in the United States for importing their seeds at profitable figures. Hitherto he has imported most of his seeds from European countries, as he claims that prices in the United States have been too high. Firms should correspond directly with this dealer, sending him catalogues, price lists, discounts, etc. These should be in the Spanish language, and it would be advisable for prices to be quoted in local currency f.o.b. some well-known American seaport. Weights and measures should be expressed in the metric system. The consular officer also suggests that firms send catalogues and literature to the commercial organizations in the leading centers of the country, a list of which is given in the report and can be obtained from the Bureau of Manufactures.

No. 7580. Garden Seeds of Various Kinds.—A report from an American consular officer states that owing to the continued drought of the past summer, a certain country is practically without seeds for spinach, carrots, turnips and flowers. Offers should be made immediately. Names of prominent dealers, who should be addressed, are given in the report.

Notes.

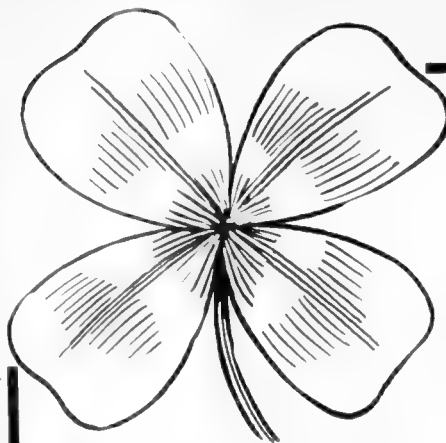
Meridian, Miss.—The Kimbrough Seed Co., J. M. Kimbrough, proprietor, will open a seed store here.

Columbus, Ga.—Bradford & Meadows is a new firm that will open a seed and drug business here soon.

Little Rock, Ark.—A voluntary petition in bankruptcy has been filed by Leifer Bros. Seed Co. Liabilities \$7,000, assets \$9,000.

Articles of incorporation have been filed by the Hall Seed Co., Louisville, Ky. Capital stock \$50,000. Incorporators, E. C. Foltz, W. P. Hall and W. P. Bunton.

Indianapolis, Ind.—The Southern Seed Co., of Kentucky, has filed notice of withdrawal from that state, after its business was transferred to the Southern Seed Co., of Indiana.



TRUE IRISH SHAMROCK

Sown now will be in excellent condition for St. Patrick's Day. Only fresh seed will germinate. Fresh crop seeds now ready.

Trade Packet, 25c. 75c. Per Ounce

HENRY F. MICHELL CO.

518 Market Street, - PHILADELPHIA

ST. LOUIS NOTES.

The Eggeling Floral Co. have moved their store to the opposite corner from where they have been in business for many years. The name of the firm has been changed to Margaret Eggeling, florist.

During the big wind and rain storm on Saturday night a large plate glass window of C. Young & Sons' Co., at 1406 Olive street was broken. Luckily it kept together as the drop from 78 down to 17 degrees would have frozen them out during the night.

Wm. C. Smith and Adam Zender, the latter from Chicago, were in a big smashup the past week in which both came near losing their lives, their buggy in which they were riding being run into from the rear by an automobile. Mr. Zender came out with but a few hurts but Mr. Smith was painfully hurt about the face and body which kept him in doors all of the week. From reports he will be out this week.

The Engelmann Botanical Club held a largely attended meeting on Monday night, Nov. 13, at the Missouri Botanical Garden. Mr. Pring, who has charge of the orchid houses gave an illustrated talk on "The Evolution of the Cultivated Chrysanthemum" which was very interesting. After the meeting the members and visitors were conducted to the annual chrysanthemum show given by the Garden. This was the most enjoyable meeting the club has had for a long time. They meet every second Monday in the month at the Garden.

PERSONAL.

All will regret to learn that that prominently progressive young gardener, James Bell, is very low in the Presbyterian Hospital, N. Y., having recently undergone another very painful operation. He regretted his inability to be among the "boys" at the

shows but is in hopes of recovering soon and being able to attend the "Old Guard" reunion of the New York Gardeners' Society.

David Lumsden, instructor in floriculture and landscape gardening, New Hampshire College, Durham, N. H., has been appointed chairman of standing committee on education at the New Hampshire State Grange meeting to be held at Manchester, N. H., Dec. 19-21, 1911.

New York visitors: F. H. Kramer and Mrs. Kramer, Washington, D. C.

Boston visitors: Mr. Baldwin of Carillo & Baldwin, Mamaroneck, N. Y.

Fruitvale, Cal.—Domoto Bros. have leased their greenhouses here to the Melrose Nurseries, Ioki & Nagata, proprietors.

Forcing Asparagus Brings Big Money

Forcing asparagus is worth \$1.00 per bunch. I have the seven-year-old roots of giant proportions. Should be shipped now before freezing weather and you can place them on your bench when you wish to. Also large forcing rhubarb roots.

WARREN SHINN, Nurseryman
WOODBURY, N. J.

100,000

FORCING TOMATO PLANTS

In 2½ inch pots at \$20.00 per M in the following varieties: Comet, Sutton's, Winter Beauty, Sutton's Best Of All, Sutton's Abundance, Sutton's A 1.
Cabbage and Lettuce Plants in unlimited quantities and best market varieties.

FOX HALL FARM, NORFOLK, VA.

ONION SETS

HEADQUARTERS FOR THE EAST.
We carry large stocks of choice quality at both our Orange, Conn., and New York City houses. Full line all varieties of Garden and Flower Seeds. Trade List on application.

S. D. WOODRUFF & SONS,
82 Dey Street,
Orange, Conn. New York City.

FANCY HAND PICKED ONION SETS

3-4 Inch Mesh
LOW PRICES

Orders booked now. Shipment January, February, March. Samples sent immediately on request. Yellow Danvers, Red Weathersfield, White Portugal, Silver Skins.

J. BOLGIANO & SON

Almost 100 Years Established Trade

Wholesale Seedsmen

Baltimore, Md.

Farquhar's Flower Seeds for The Florist

Write for our Wholesale
Catalogue

R. & J. FARQUHAR & CO.
Boston, Mass.

PEAS, BEANS, RADISH } Write for Prices
and all Garden Seeds

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

Wholesale
SEED GROWERS AND DEALERS



Wholesale Growers of
Onion, Lettuce, Sweet Peas
and other California Specialties

C. C. MORSE & CO.

48 Jackson St. SAN FRANCISCO, CAL.

BRIDGEMAN'S SEED WAREHOUSE
RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

CANE STAKES

AMERICAN, bundle 500, \$3.00; 1000, \$5.50.
BAMBOO from Japan, 100, 65c.; 1000, \$5.50.

The W. W. Barnard Co.

109-110 W. Kinzie St., CHICAGO

Burpee's Seeds
PHILADELPHIA

Blue List of Wholesale Prices mailed
only to those who plant for profit.

SEEDS, PLANTS, BULBS

All seasonable kinds of best
quality

Special prices on large lots

JAMES VICK'S SONS,
Seedsmen
ROCHESTER, N. Y.

COMPLETE STOCK FRENCH AND DUTCH BULBS

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

CHOICE BULBS

In great variety for present
planting—in-doors and out

THOMAS J. GREY CO.
32 South Market Street, Boston, Mass.

FRESH CROP
**ASPARAGUS PLUMOSUS
NANUS SEED**

(Greenhouse grown.) Due to the
now booking orders for next year's
grown Asparagus Plumosus Nanus.

S. S. SKIDELSKY & CO.
1215 Betz Bldg. Philadelphia.

Established 1820

Thorburn's Bulbs

We offer high grade stock of the following
while unsold:

LILIUM HARRISII, 7-9 inches in circum.
at \$17.00 per case of 250 bulbs.
WHITE ROMAN HYACINTHS, 12-15
ctms., at \$18.00 per 1000.
PAPER WHITE GRANDIFLORUS NAR-
CISUS, at \$8.00 per 1000.

Cash with order.

Only a limited supply left so speak
quickly.

J. M. THORBURN & CO.
33 Barclay Street
NEW YORK



...THE...

J. C. Robinson Seed Co.
Waterloo, Neb.

Contract growers of Cucumber, Can-
taloupe, Watermelon, Squash and
Pumpkin Seed; Sugar, Flint and Field
Seed Corns.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

ONION SEED

We have a choice lot of new crop
Silver Skin or Portugal, also other
varieties. Write for prices.

SCHILDER BROS.
CHILLICOTHE . . . OHIO

COLDWELL LAWN MOWERS
Hand—Horse—Motor

Known All Over the World
Catalogue on Request.

NEWBURGH, N. Y.

PRINTING Fruitmen, Horticultur-
ists, and Poultrymen
should get their print-
ing done by specialists. Write for prices
THE REX CO., Harrisburg, Pa.

Florists' Telegraph Delivery

(Retailers' Section—S. A. F. & O. H.)

Mutual discounts, 20 per cent.

Provision for guaranteed accounts.

Write for particulars to

IRWIN BERTERMANN, Secretary, 241 Massachusetts Ave., Indianapolis, Ind.

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Aldine 880. Aldine 881. Aldine 882.

SAMUEL MURRAY Kansas City, Mo. 913 Grand Ave.

Member of the Florists' Telegraph Delivery

All Orders Given Prompt and Careful Attention



WASHINGTON.
D. C.

GUDE'S

The Far-Famed Flowers of
TORONTO

Delivered on mail or telegraph order for any occasion, in any part of the Dominion.

JOHN H. DUNLOP
96 Yonge St., - - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE
Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas City and any town in Missouri or Kansas.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.

Members Florists' Telegraph Assn.

Of Interest to Retail Florists

Ralchert & Krejci of 3250 W. 26th St., Chicago, have sold their flower business to Joe Papacek.

San Diego, Cal.—The cut flower department of Walter G. Scott, 1335 Fifth street, will be discontinued.

Dubuque, Ia.—The greenhouses of G. A. Heyne, retail florist, have been taken over by the park commissioners and he has retired from business.

Pierce, S. D.—Enoc & Barney, doing business as the Capitol Greenhouse Co., have dissolved partnership. Herbert D. Enoc will continue the business as proprietor and manager.

STEAMER DEPARTURES

American.

Philadelphia, N. Y.-S'h'mpt'n. Nov. 25

Atlantic Transport.

Minnewaska, N. Y.-London. Nov. 25

Cunard.

Mauretania, N. Y.-Liverpool. Nov. 22

Lusitania, N. Y.-Liverpool. Nov. 29

Urania, Boston Liverpool. Nov. 30

Ivonia, N. Y.-Med't'n. Nov. 30

Holland-America.

Rotterdam, N. Y.-Rotterdam. Nov. 21

Ryndam, N. Y.-Rotterdam. Nov. 28

Hamburg-American.

Amerika, N. Y.-Hamburg. Nov. 21

Leyland.

Winifredian, Boston-Liverp'l. Nov. 25

North German Lloyd.

G. Washington, N. Y.-Br'm'n. Nov. 23

K'st W. der G., N. Y.-Br'm'n. Nov. 28

Friedrich der G., N. Y.-Br'm'n. Nov. 30

Red Star.

Vaderland, N. Y.-Antwerp. Nov. 25

White Star.

Zeeland, Boston-Liverpool. Nov. 21

Cable, N. Y.-Liverpool. Nov. 23

Oceanic, N. Y.-S'h'mpton. Nov. 25

Romana, Boston-Medit'n. Nov. 25

Cymric, Boston-Liverpool. Nov. 28

Adelphi, N. Y.-Liverpool. Nov. 30

NEW FLOWER STORES.

Joplin, Mo.—H. A. Hall, 415 Main street.

Morris, Ill.—H. Jepson, 206 E. Washington street.

Toronto, Ont., Can.—Ernest Graham, Queen street.

Baltimore, Md.—Everett W. Pierce, 509 N. Charles street.

Detroit, Mich.—Jerome K. Stock, Warren avenue; workshop, offices and show house in rear.

Elyria, O.—L. C. Heacock Floral Co., 407 Broadway; branch of their store 333 E. Broad street.

Evansville, Ind.—L. T. Metcalf, 210 Upper Fifth avenue; branch store with William Hewig as manager.

Jackson, Tenn.—James & Nelson Floral Co. is a new firm which will open a flower store here. Murry Sands, florist, is one of the partners. They will conduct greenhouses on North Highland avenue.

J. A. VALENTINE, Denver, President.
W. J. PALMER, Buffalo, Vice-President.
W. L. ROCK, Kansas City, Treasurer.

OTHER DIRECTORS:

Ernest Wienhoeber, Philip Breitmeyer,
A. B. Cartledge, W. F. Gude, George Asmus,
Fred H. Melnhardt.

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571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill

Cable Address, ALEXCONNELL

NEW YORK

Orders for Steamer, Theatre, Hotel, or Residence Carefully Filled.

Wm. H. LONG

412 Columbus Ave.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph and Cable address, Dardaspier

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points, New York City, New Jersey, etc. At Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N.Y.

BUFFALO

S. A. ANDERSON

440 MAIN STREET

Special Deliveries Niagara Falls and Lockport

THE ROSERY

76 MAIDEN LANE

ALBANY, N. Y.

FLOWER DELIVERIES FOR ALBANY AND VICINITY

LOUISVILLE, KY.

JACOB SCHULZ.

550 South Fourth Ave.

THE FLORISTS' SUPPLY HOUSE OF AMERICA

Offers You Superb, Exclusive Novelties This Season in Every Line. These Have Exceptional Value and Selling Merit. Tell Us What You are Interested in and at Same Time Ask for a Copy of

OUR SILENT SALESMAN
H. BAYERSDORFER & CO.

1129 Arch Street, - - - PHILADELPHIA, PA.



Less Ice With Better Results

The McCray System of Refrigeration, which insures a perfect circulation of cool, dry air, will not only reduce your ice bills, but will keep your stock in the best condition — fresh, fragrant and attractive.

McCray Refrigerators

Are made so as to display your flowers to the best advantage. They can be lined with white enamel, opal glass, tile, mirrors or marble to suit your convenience. Write for our beautiful Free Catalog No. 72, which shows refrigerators for florists, both stock and built-to-order, in all sizes and styles.

McCray Refrigerator Co.

353 LAKE STREET KENDALLVILLE, IND.

NEW ENGLAND FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points to

THOS. F. GALVIN
124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston

BOSTON'S BEST In Quality and Design

Can be relied upon when you transfer your retail orders to

EDWARD MACMULKIN
194 Boylston Street, Boston

Littlefield

FLORIST

407 & 409 Main St.
Worcester, Mass.

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall
Schools **TAILBY, Wellesley, Mass.**
Tel. Wellesley 44-1 and 9 Night 44-3

NEWS NOTES.

Chicago, Ill.—The Leslie Floral Co., Randolph street, closed Nov. 1

Walla Walla, Wash. Huff & Young, 7 E. Main street, are succeeded by Fred M. Young.

Agawam, Mass.—C. W. Atwater has moved his nursery business here from Collinsville, Conn.

Rockford, Ill.—M. H. Smith, florist, is reported bankrupt with liabilities of \$2,000, assets \$1,000.

Alton, Ill.—J. F. Ammann has sold his interest in the flower store at 520 E. 4th street to George Madset, of the Alten Floral Co.

East Seattle, Wash.—Stuber & Buxton are succeeded by the East Seattle Floral Co., Mercer Island, Sturbire & Pedersen proprietors.

San Francisco, Cal.—The business of the California Floral Supply Co., 21 Jackson place, has been sold to Potato Bros. at 27 1/2 E. Market.

Elmhurst, Cal.—Domoto Bros., Oakland, who are building a large range in Fitchburg, Tenn., have about forty acres of land in their range they have a power boiler plant. T. K. De manager.

Boston. The flower store at 407 Federal street last Monday night closed and Mr. Finlay has taken a position with the Flower Sales Co.

Julius A. Zinn, 1 Park street, showing a fine line of pedestals, pots and fern stands. new Ivory ware which is quite popular.

BOSTON, MASS.



"Penn. The Telegraph Florist"

37-43 BROMFIELD STREET

H. F. A. Lange

WORCESTER, - MASS.

Delivers to all Florists in New England.
125,000 square feet of glass

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

"THE HOME OF FLOWERS"

Largest cut flower store in America.
For the TWIN CITIES and for all western points given prompt attention.

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

Toronto, Ont. The business of Plumb, 727 Yonge street, has been purchased by J. & S. Olson, and run at his new address at 145 and 266 Yonge street.

BOXWOOD

\$7.50 per 50 lb. Crate

The best in the market, and we guarantee it to give satisfaction.

White Lilac

PER BUNCH, \$1.25

BOUVARDIA per 100 \$3.00 GARDENIAS per doz. \$4.00

The Leo Niessen Co.

WHOLESALE FLORISTS

N. W. Corner
12th and Race Sts., **PHILADELPHIA****THE BEST LETTERS**FOR
FLORIST'S
USE**R**THOSE
MADE
BY THE**Boston Florist Letter Co**

66 PEARL ST., BOSTON

N. F. McCarthy, Mgr.

Order direct or buy from your local
supply dealer. Insist on having the**BOSTON**Inscriptions, Emblems, etc. Always
in Stock.**CUT FLOWER BOXES****EDWARDS FOLDING BOX CO**MANUFACTURERS
PHILADELPHIA, PA.**PETER REINBERG**
WHOLESALE**CUT FLOWERS**

37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

George B. HartWHOLESALE
FLORIST

24 Stone St., Rochester, N.Y.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention to shipping orders. Job-
bers of Florists' Supplies, Seeds and Bulbs.
Price list on application.

Phone Main 584. 316 Walnut St., Cincinnati.

**To Cut Flower Growers and
Retail Florists****IF YOU**want to find a market for your
productwant a regular or special supply
of the product of the best
growersConsult the Advertisements on
these Wholesale Flower PagesThe Advertisers Represented Here are the Leading
Concerns in the Wholesale Flower Trade**WELCH BROS.**AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

**WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100
TO DEALERS ONLY**

ROSES	BOSTON Nov. 16		CHICAGO Nov. 7		ST. LOUIS Nov. 14		PHILA. Nov. 14	
Ara. Beauty, Fancy and Special..	15.00	to 25.00	30.00	to 35.00	25.00	to 40.00	30.00	to 35.00
" Extra.....	8.00	to 12.00	20.00	to 30.00	15.00	to 20.00	20.00	to 25.00
" No. 1.....	4.00	to 6.00	15.00	to 20.00	10.00	to 12.00	10.00	to 15.00
" Lower grades.....	1.00	to 3.00	10.00	to 15.00	4.00	to 8.00	6.00	to 8.00
Richmond, Chateaux, Fancy & Spl..	3.00	to 6.00	6.00	to 8.00	6.00	to 8.00	6.00	to 8.00
" Lower grades.....	1.00	to 3.00	3.00	to 5.00	3.00	to 5.00	3.00	to 5.00
Killarney, Maryland, Fan. & Spl..	3.00	to 8.00	6.00	to 10.00	6.00	to 8.00	6.00	to 8.00
" Low. grades.....	1.00	to 3.00	3.00	to 5.00	3.00	to 5.00	3.00	to 5.00
Bride, 'Maid,.....	1.00	to 8.00	3.00	to 8.00	2.00	to 4.00	3.00	to 6.00
Taft, Hillingdon.....	4.00	to 12.00	.....	.....	.....	.....	.....	.....
CARNATIONS, First Quality..	2.00	to 3.00	2.00	to 3.00	2.00	to 3.00	3.00	to 4.00
" Ordinary.....	1.00	to 2.00	1.50	to 2.00	1.00	to 1.50	1.50	to 2.00
MISCELLANEOUS								
Cattleyas.....	35.00	to 50.00	35.00	to 50.00	40.00	to 50.00	50.00	to 60.00
Lilies, Longiflorum.....	6.00	to 8.00	8.00	to 10.00	10.00	to 15.00	10.00	to 12.00
Lily of the Valley.....	2.00	to 3.00	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Chrysanthemums.....	4.00	to 12.00	10.00	to 35.00	15.00	to 25.00	10.00	to 25.00
Violets.....	.75	to 1.00	.....	to .75	.25	to .50	.75	to 1.00
Sweet Peas.....	.40	to .60	.75	to 1.00	.....	.....	.75	to 1.00
Gardenias.....	8.00	to 25.00	35.00	to 50.00	.....	.....	25.00	to 35.00
Adiantum.....	1.00	to 1.50	.....	to 1.00	1.00	to 1.25	1.00	to 1.50
Smilax.....	12.00	to 15.00	12.00	to 15.00	12.50	to 15.00	15.00	to 20.00
Asparagus Plumosus, strings (100)	.....	to 50.00	50.00	to 75.00	35.00	to 50.00	.....	to 50.00
" " & Spreu. (100 bchs)	16.00	to 35.00	25.00	to 50.00	25.00	to 35.00	35.00	to 50.00

J.A. BUDLONG

82-84-86 E. Randolph St., Chicago

**OUR STOCK IS A-1 AND IT IS QUALITY NOT
PRICES THAT TALK****Chicago Flower Growers' Association**

Wholesale Growers of Cut Flowers and Plants

176 N. MICHIGAN AVE.,

BETWEEN RANDOLPH
AND LAKE STREETS,**CHICAGO****HENRY M. ROBINSON & CO.**15 Province St., 9 Chapman Pl.,
BOSTON, MASS.

Everything in Flowers

Complete Stock of Florists' Greens,

Three Floors of Florists' Supplies.

ROBERT J. DYSART

Public Accountant and Auditor

Simple methods of correct accounting
especially adapted for florists' use.

Books Balanced and Adjusted

Merchants Bank Building

28 STATE ST. - BOSTON

Telephone, Main 58.

Flower Market Reports

BOSTON Local flower trade is decidedly slack and the markets which depend upon local demand for their prosperity are feeling it. With the houses that have a shipping trade business is excellent and these houses are among the best friends the markets have at such times, as they are heavy buyers and help materially to unload the surplus that otherwise would be at the mercy of the street vultures. Demand from outside points is decidedly better than from the vicinity of Boston. The New Haven fondness for violets is beginning to have its effect on that commodity and prices have advanced to a reasonable figure. Quality is good on all lines.

BUFFALO The past two weeks has found the early winter trade only fair, that is, not better than previous years. The volume of business was larger, but the prices obtained less. The cause can only be laid to the fine fall weather, which had a tendency to bring on the chrysanthemums, roses and carnations, etc., faster than they could be disposed of at good prices, consequently the accumulation of flowers was heavy and prices far below their actual value. This applies mostly to roses and carnations, though the early variety of chrysanthemums, mostly of the ordinary quality, suffered the most. Pompons had a better call, and the demand for yellow was the heaviest, though other varieties shared in the demand. The late varieties are here, and some exceptionally fine Eaton in yellow are had, also Maud Dean, Bonnafon, Balfour, Enguehard, and no complaint can be made about these, for they sell well and the prices are encouraging to the wholesaler and grower. Beauties are scarce, and prices have advanced a notch. The long grades are fine, but the shorts are only ordinary poor blooms, and sell below summer prices. Killarneys, Marylands, Richmonds, 'Maids, Brides and Perles are in good winter form—that is, all but the prices. Lily of the valley has been plentiful, also violets. There was plenty of everything, and the retailers had little or no trouble to fill any order, no matter how large. Cold weather is looked for, which will not alone check the supply, but bring down the bargain signs which have been so conspicuous in every shop window for the past months, as the time has come when the season's business should actually begin.

CHICAGO The preceding busy weeks in the wholesale market have given way to one of comparative quiet, for which the sudden drop of 59 degrees in the temperature is supposed to be responsible. Stock has not suffered in quality but rather the opposite condition obtains. Beauties are becoming scarcer. Aside from the number used locally, the various flower shows have drawn many prizeward, and the regular shipping demand has been steady also. Chrysanthemums are not generally counted as quite up to those of average years—more of the medium blooms and pompons and rather less of the fancy ones. Roses are in good supply, the highest grades being first



MEM FOR THE RETAILERS

DOUBLE PINK KILLARNEY

Our growers are cutting heavily of this grand new rose, all lengths, particularly the Fancies and Specials. Much larger and heavier buds than the Pink Killarney; lasting qualities much better.

Per 100
Special\$10.00 | First \$5.00
Fancy 8.00 | Second 3.00

Mrs. TAFT

The new French rose, a beautiful shell pink, perfect in stem and foliage.

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Special ..\$15 & \$20 | First\$10.00
Fancy 12 | Second 6.00

Contracts made for the season on
PLUMOSUS
Strings or bunches; very choice stock.

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We are the Distributing Agents for the grand new Roses for 1912
DOUBLE WHITE KILLARNEY and KILLARNEY QUEEN (The Budlong Strain)
Grafted, \$250.00 per 1,000. Own Root, \$200.00 per 1,000.
Flowers of Double White Killarney just as double as the Double Pink, pure white—a magnificent addition to the rose list.

RIBBONS and SUPPLIES

Many new patterns in exclusive ribbons. Write us for prices on these and on our supplies.

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FLORISTS OF

NEW YORK
109 W. 28th Street

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1608-1620 Ludlow Street

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1212 New York Ave.

WHOLESALE FLOWER MARKETS.—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
	Nov. 7		Nov. 7		Nov. 14		Nov. 14	
Am. Beauty, Fan. and Sp.....	25.00	to 30.00	20.00	to 25.00	20.00	to 25.00	25.00	to 35.00
“ Extra	15.00	to 25.00	18.00	to 20.00	18.00	to 20.00	15.00	to 20.00
“ No. 1	15.00	to 20.00	12.00	to 18.00	10.00	to 12.00	10.00	to 12.50
“ Lower grades	8.00	to 12.00	5.00	to 10.00	3.00	to 5.00	5.00	to 6.00
Richmond, Chateaux, Fan. & Spl....	6.00	to 8.00	6.00	to 8.00	6.00	to 8.00	6.00	to 8.00
“ Lower Grades	3.00	to 6.00	4.00	to 6.00	3.00	to 4.00	3.00	to 4.00
Killarney, Maryland, Fan. & Spl....	6.00	to 8.00	6.00	to 8.00	6.00	to 7.00	6.00	to 8.00
“ Low. Grades	3.00	to 6.00	3.00	to 6.00	3.00	to 4.00	3.00	to 4.00
Bride, 'Maid	3.00	to 6.00	3.00	to 6.00	3.00	to 6.00	3.00	to 6.00
Taft, Hillingdon	3.00	to 6.00	3.00	to 6.00	3.00	to 6.00	3.00	to 6.00
CARNATIONS, First Quality	1.50	to 2.00	1.50	to 2.00	1.50	to 2.00	1.50	to 2.00
Ordinary	1.50	to 2.00	1.50	to 2.00	1.50	to 2.00	1.50	to 2.00
MISCELLANEOUS								
Cattleyas	10.00	to 12.00	10.00	to 12.00	10.00	to 12.00	10.00	to 12.00
Lilies, Longiflorum	10.00	to 12.00	10.00	to 12.00	10.00	to 12.00	10.00	to 12.00
Lily of the Valley	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Chrysanthemums	1.50	to 2.00	1.50	to 2.00	1.50	to 2.00	1.50	to 2.00
Violets	1.50	to 2.00	1.50	to 2.00	1.50	to 2.00	1.50	to 2.00
Sweet Peas	1.50	to 2.00	1.50	to 2.00	1.50	to 2.00	1.50	to 2.00
Gardenias	1.50	to 2.00	1.50	to 2.00	1.50	to 2.00	1.50	to 2.00
Adiantum	1.50	to 2.00	1.50	to 2.00	1.50	to 2.00	1.50	to 2.00
Smilax	1.50	to 2.00	1.50	to 2.00	1.50	to 2.00	1.50	to 2.00
Asparagus Plumosus, strings (100)	40.00	to 50.00	40.00	to 50.00	40.00	to 50.00	40.00	to 50.00
“ “ & Spreng. (100 bchs.)	20.00	to 30.00	20.00	to 30.00	20.00	to 30.00	20.00	to 30.00

(Continued on page 71)

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Successor to
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A full line of Choice Cut Flower Stock for all purposes LARGEST GROWERS
by the 100, 1000 or 10,000 The HOME OF THE LILY
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GARDENIAS, DAISIES, ROSES AND CARNATIONS
JAMES McMANUS, Tel. 7559 55 W. 28th St., New York
Mad. Sq. Lower Grades.

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Nov. 11 1911		First Half of Week beginning Nov. 13 1911	
American Beauty, Fancy and Special.....	20.00	to 35.00	20.00	to 25.00
" " Extra.....	12.00	to 15.00	12.00	to 15.00
" " No. 1.....	8.00	to 12.00	5.00	to 12.00
" " Lower Grades.....	2.00	to 6.00	2.00	to 6.00
Richmond, Chateaux, Extra and Special.....	2.00	to 6.00	2.00	to 6.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Killarney, My Maryland, Extra and Special.....	2.00	to 6.00	2.00	to 6.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Bride 'Field.....	.25	to 4.00	.40	to 4.00
Taft, Hillingdon.....	4.00	to 8.00	4.00	to 8.00
Carnations, First Quality.....	2.00	to 5.00	2.00	to 5.00
" Ordinary.....	1.00	to 2.00	1.00	to 2.00

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WHOLESALE FLORISTS
Choice Cut Flowers
CONSIGNMENTS SOLICITED
54 West 28th St., NEW YORK
Prompt Payments. Telephone 3559 Madison Sq

FRANK MILLANG
Wholesale Florist
55-57 West 26th St., NEW YORK
Shipments, any quantity, Whole-
sale Market Rates.



Flower Market Reports.

(Continued from page 70)

to sell out. Carnations are all that could be desired, and a full supply is now in the market. Violets are coming in more abundantly now, but the largest demand is drifting to the more showy flowers, as is general in chrysanthemum season. Orchids, as well as violets and lily of the valley have been in especial demand recently. The first paper white narcissi were noticed last week.

Last week's market

CINCINNATI which started fair at the opening was slow

at the close and this week's started in inverse order. It was caused principally by a slack demand for flowers for work and heavy cuts of cull chrysanthemums. These naturally held the price of the latter ones down where one would expect that with the sudden advent of the very cold weather they would go sky-high. The shipping business continues good. Locally roses and carnations seem to be off crop. The pink roses are selling well, while white, owing to the continued large supply, do not clean up as readily. There is a sufficiency of choice Beauties, and a scarcity in the medium and short. Red roses are strong, but the sizes run mostly from medium to short. Other offerings include lilies, lily of the valley, double and single violets and orchids.

A decidedly better

NEW YORK feeling prevails in the wholesale district

as compared with the past three weeks. The cold weather has shortened up the supply a little of course, but not a great deal. It has also sharpened up the buying appetite and that counts and gives the seller the necessary courage to put prices back where they belong. Roses, lilies and some of the minor stocks have advanced but in chrysanthemums there is little change. Quality is good all down the list.

There has been

PHILADELPHIA some slight improvement in

general business conditions in the wholesale markets here. Some departments were worse; some better—but on the average an improvement. The chrysanthemums have probably reached their high water mark now, as to quantity and when we say quantity, we mean the vast influx of medium-grade stock that usually swamps the market at the height of the season,—this volume will decrease

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Hardy Fancy Fern Our Specialty

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WILLIAM F. KASTING Co.

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A First Class Market for all CUT FLOWERS

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Tel. 4501 MAIne

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Nov. 11 1911		First Half of Week beginning Nov. 13 1911	
Cattleyas.....	25.00	to 40.00	35.00	to 50.00
Lilies, Longiflorum.....	5.00	to 8.00	6.00	to 8.00
Lily of the Valley.....	1.00	to 2.00	1.00	to 2.00
Chrysanthemums.....	4.00	to 20.00	4.00	to 20.00
Violets.....	.25	to .50	.50	to .75
Gardenias.....	12.00	to 25.00	12.00	to 25.00
Adiantum.....	.50	to .75	.50	to .75
Smilax.....	6.00	to 8.00	6.00	to 8.00
Asparagus Plumosus, strings.....	.....	to 35.00	.....	to 35.00
" " & Spon. (too bchs).....	10.00	to 20.00	10.00	to 20.00

from now on, as the smaller growers are cut out; higher grades will now have a chance. The big wide-awake growers realizing the all round supremacy of Bonnaffon planted heavily of this, consequently there are big cuts to offer of magnificent blooms and also plenty of fine flowers to meet more moderate requirements. Appleton—both light and dark, Dear Friend, the two Eatons, Maud Dean, and Mrs. Jerome Jones, are also cutting a wide swath in popular esteem. There are also a very few of the Golden Chadwick and White Chadwick. White Bonnaffon is to be seen but this does not seem to be in the same class with the yellow Bonnaffon, although a pretty good flower. The rose market naturally lags a little among this wealth of glory. There is no lack in quantity or quality, in the regular varieties, although American Beauty has been rather on the short side and we hear of some orders for these late in the week that could not be supplied. Violets also were in excellent demand. Prices on these held firm and all flowers that were any good cleaned up excellently. More and better gardenias. Fewer orchids. Demand good in both. Callas and mignonette are new items. Carnations and other staples holding their own at normal figures.

ST. LOUIS

The market was in pretty good condition all of last week. There was plenty of cut stock of anything seasonable and at prices within reach of all. Fancy stock was held up by all the up-town florists at high prices. The call was for chrysanthemums and the country man found no trouble in getting them each morning. Carnations looking better and also some Violets, lily of the valley and are coming in good at present. Roses are more plentiful than any other flower just now, but they, too, seem to sell better than usual at this particular time. The retail trade has

picked up greatly since the cold weather and the trade is looking for good steady business from now on.

(Continued on page 72)

FLORISTS' HARDY SUPPLIES

Dagger and Fancy Ferns, Moss.

Galax, Laurel Roping, Southern

Smilax, Boxwood, Etc.

Hartford & McDonough 70 PEMBERTON SQ., BOSTON IN THE SWIM

I must be in the swim,
You must forget my name,
And say that I am a swimmer,
If you don't get the best.

Christmas Trees, Spruce or Balsam, from one foot to thirty, in any quantity; Baled Spruce, Balsam, Hemlock Boughs, Laurel and Evergreen Festooning and Wreaths, Sphagnum Moss, Hardy Cut Fancy and Dagger Ferns, Yearly Contracts Made. Send for Price List and order your Christmas Trees now. **GET THE BEST.**

H. J. SMITH, Hinsdale, Mass.

GREEN GALAX and Leucothoe Sprays

Green Galax, \$4.50 per case of 10,000; per 1000. All large sizes if preferred. A week only.

Green Leucothoe Sprays at lowest prices, making lengths.

Discount 2 per cent. off for cash in 10 days in date of invoice, or net 30 days.

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Wired Toothpicks

Manufactured by

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10,000... \$1.75; 50,000... \$7.50. Sample free.

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Achyranthes, rooted cuttings: Metallica, Lindenli, Warscewiczii, \$6.00 per 1000; P. de Bailey, \$10.00 per 1000; 2 in., \$2.50 per 100.

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Ageratum, Stella Gurney, 2 in., Princess Pauline, 2 in., \$2.00 per 100.

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THE GEO. WITTBOLD CO.,
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Ampelopsis Veitchii, 1-yr. plants, \$3.00 per 100; \$25.00 per 1000.

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Asparagus Plumosus, extra fine 3-inch stuff, \$5.00 per 100, \$45.00 per 1000. P. Rieth, Downers Grove, Ill.

Asparagus plumosus seedlings, clumps, sprays and seeds. Write for prices. Peter Mack, Orlando, Fla.

Asparagus plumosus, 2½-in. pots, \$3.00 per 100; \$25.00 per 1000. Asparagus Sprengeri, 2-in. pots, \$2.00 per 100; 4-in. pots, heavy, \$10.00 per 100.

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Bay Trees and Box Trees, all sizes
Write for special list
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Tree variety goods. Quality guaranteed.
Write us your requirements. Jones, The Holly Wreath Man, Milton, Delaware.

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Field Grown Plants.

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300 Enchantress, \$5.00 per 100; 200 Windsor, \$4.00 per 100. Field grown, best of stock. Bid on the lot. O. L. Baird, Dixon, Ill.

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Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 2000 for \$1.00 post paid. I. L. Pillsbury, Galesburg, Ill.

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Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Chrysanthemums, rooted cuttings, Monrovia, Polly Rose, \$12.00 per 100. Violets, Princess of Wales, \$8.00 per 100; \$50.00 per 1000. Chas. Lenker, Freeport, L. I., N. Y.

Now is the time for you to get a few of the much talked of and finest earliest white chrysanthemum, Smith's Advance, guaranteed true to name, 3 for \$1.00. Extra strong 2 in. plants, ready now, at \$1.25 per dozen, or \$10.00 per 100. Cash. Jos. F. Klimmer Est., 812 Dunlap Ave., Forest Park, Ill.

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Clematis pauciflora, 2 and 3-yr.-old; also Henryi, Jackmanii Andre Romona, Red Jack, Duchess. Special price for fall delivery.

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20th Century Plant Food Co., Beverly, Mass.

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Coleus, 2-in. rooted cuttings, Beckwith's Gem, Golden Bedder, \$6.00 per 1000; 2-in. Pfister, red and yellow, Beckwith's Gem, Golden Bedder, Verschafeltii, \$2.00 per 100.

THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

CYCLAMENS

Cyclamen—Best Varieties in different colors, 3 inch pots, strong plants, \$10.00 per 100, \$80.00 per 1000. Julius Roehrs Company, Rutherford, N. J.

CYCLAMEN GIGANTEUM SEED. Finest giants; in choicest mixture, grand, 250 seeds, \$1.00; ½ pkt., 50c.; 1000 seeds, \$3.50. John F. Rupp, Shiremanstown, Pa.

Giant cyclamen, our own grown strain, selected from the very best and well built plants and flowers. Seed, \$1.00 per 100, \$6.00 per 1000; nearly all sold out. August seedlings, \$2.00 per 100; \$18.00 per 1000. Plants, well set with buds, 4-in., \$18.00 and \$25.00 per 100. Orders amounting to \$25.00, 10 per cent. off. Here is one of the many letters we received from satisfied customers: E. A. Butler & Son, Niagara Falls, N. Y., say, "The plants are excellent, the finest we have ever had and, if the seed this year is of the same quality, we will be perfectly satisfied." Our aim has been to and we have improved our strain every season. Cultural directions with every order. C. Winterlich, Cyclamen Specialist, Defiance, O.

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For page see List of Advertisers.

DAHLIAS NEW FOR 1911.

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williamstown Junction, N. J., Post Office, Berlin, N. J.

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

EAST BRIDGEWATER DAHLIA FARMS.
If you are looking for dahlia stock for your 1912 catalogue, send for Trade List to the Dahlia King, J. K. Alexander, East Bridgewater, Mass.

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DECORATIVE PLANTS

A. Leuthy & Co., Parkers St. Nurseries, Roslindale, Mass.
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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.
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John Scott, Brooklyn, N. Y.
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H. A. Dreer, Inc., Philadelphia, Pa.
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DRACAENAS.

DRACAENA INDIVISA.
Strong plants ready for 5 in. pots,
\$10.00 per 100.
Vern L. Schluraff, Erie, Pa.

EVERGREENS

New England Nurseries, Bedford, Mass.
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Boblink & Atkins, Rutherford, N. J.
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FERNS

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H. H. Barrows & Son, Whitman, Mass.
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Frank Oechalin, 4911 Quincy Street, Chicago.
Ferns for Dishes.
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F. B. Pierson Co., Tarrytown-on-Hudson, N. Y.
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Joseph Heacock, Wyncote, Pa.
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Roman J. Irwin, New York, N. Y.
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Boston Ferns, all sizes from 3 in. bunch stuff to 8 in. pots. Prices on application.
Andrew P. Petersen, South Lincoln, Mass.

Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. **J. F. Anderson,** Fern Specialist, Short Hills, N. J.

Scott's Ferns in 5-in. pots (good stock) at \$25.00 per 100 (cash please). Good assortment table ferns at \$3.00 per 100. **J. H. Flessner,** Hamilton Avenue, North Bergen, N. J.

Boston Ferns—6-inch pots, 45c. each, \$40.00 per 100. Whitman Ferns, 4-inch, 20c. each, \$15.00 per 100; 5-inch, 30c. each, \$25.00 per 100; 6-inch, 45c. each, \$40.00 per 100; 7-inch, 60c. each, \$55.00 per 100; 8-inch, 75c. each, \$70.00 per 100. **Ficus Elastic,** 35c., 50c. and 75c. each. Cash please. **Queen City Floral Co.,** Manchester, N. H.

Fern dish ferns. Heavy 2 1/4-in. pot plants, \$3.00 per 100; \$25.00 per 1000. **Boston ferns.** 6-in. pots, \$25.00 per 100; 6-in., \$40.00 per 100.

Storrs & Harrison Co., Palmsville, Ohio.
Boston ferns, first-class stock, for 5, 6, 7 and 8-in., 20c, 25c, 50c and 75c. **Whitman,** for 6, 7, 8 and 10-in., 25c, 35c, 50c and 75c. Also large specimen plants from \$1.00 up. **Scott's,** for 6-in., 25c and 35c. Any quantity; 7000 to choose from. **Cash.**
A. E. Monroe, Wellesley Farms, Mass.

FERTILIZERS

20th Century Plant Food Co., Beverly, Mass.
Pulverized Manure Co., 31 Union Stock Yard, Chicago, Ill.
Wizard Brand Cattle Manure.

Hardwood ashes, best fertilizer on earth for lawns and gardens. **George Stevens,** Peterborough, Ont., Canada.

FEVERFEW

Feverfew. Rooted cuttings, \$2.00 per 100, or \$18.00 per 1000. **Adolph E. E. Koch,** Nohscot, Mass.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
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GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.
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Kervan Co., New York.
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Mt. Mitchell Decorative Evergreen Co., Harvard, N. C.
Green Galax and Leucothoe Sprays.
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GENISTAS

Genista racemosa, 6-in. pot plants, \$25.00 per 100.

Storrs & Harrison Co., Palmsville, Ohio.

GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.
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Pelargo and Scented Rose Geraniums, 2 1/2-inch, \$3.00 per 100. **P. Rieth,** Downers Grove, Ill.

Geraniums, standard varieties, 2 1/2-inch, \$2.50 per 100, \$22.50 per 1000; or will exchange part for Vinca root runners. **P. Rieth,** Downers Grove, Ill.

Geraniums, S. A. Nutt 2 in., Rose 2 in., \$2.00 per 100.

THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

GLASS

Boston Plate & Window Glass Co., Boston.
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Standard Plate Glass Co., 26-30 Sudbury St., Boston.
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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.
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Greenhouse glass, lowest prices. **Johnston Glass Co.,** Hartford City, Ind.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point
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GNAPHALIUMS.

Gnaphalium Lanatum cuttings, 2 in., \$2.00 per 100.

THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

GOLD FISH

Gold fish, aquarium plants, snails, castles, globes, aquarium, fish foods, nets, etc., wholesale. **Franklin Barrett,** breeder, 4815 D. St., Philadelphia, Pa. Large breeding pairs for sale. Send for price lists.

GREENHOUSE BUILDING MATERIAL

A. T. Stearns Lumber Co., Neponset, Boston.
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S. Jacobs & Sons, 1359-63 Flushing Ave., Brooklyn, N. Y.

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Pierson U-Bar Co., Madison Ave., New York
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Lord & Burnham, 1133 Broadway, New York.

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King Channel Gutters.
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Hartford & McDonough, Boston, Mass.
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H. J. Smith, Hinsdale, Mass.
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HEATING APPARATUS

Kroeschell Bros. Co., 466 Erie St., Chicago.
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Lord & Burnham Co., 1133 Broadway, New York.

HELIOTROPE

Heliotrope, rooted cuttings, \$6.00 per 1000. **Heliotrope,** 2 in., \$2.00 per 100.

THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

HERBACEOUS PLANTS

P. Ouwertkerk, P. O. No. 1, Hoboken, N. J.
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Boblink & Atkins, Rutherford, N. J.
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HEMEROCALLIS LILY

Fulva \$2.50 per 100. **C. S. Harrison's** Select Nursery Co., York, Neb.

HOSE

H. A. Dreer, Philadelphia, Pa.

HOT-BED BASH

A. T. Stearns Lumber Co., Neponset, Mass.
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Parshefsky Bros., Brooklyn, N. Y.
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Lord & Burnham Co., 1133 Broadway, N. Y.

HYDRANGEAS

F. R. Pierson Co., Tarrytown-on-Hudson, New York.
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In writing to Advertisers kindly mention Horticulture

HYDRANGEAS—Continued

Hydrangea Otaksa, fine pot grown stock, 4-in., 2 to 3 shoots, \$3.00 per 100; 5-in., 2 to 3 shoots, \$2.00 per 100; 6-in., 3 to 5 shoots, \$2.00 per 100.

Hydrangea Otaksa, field grown. Extra specimens for large trees, 12 to 15 shoots, \$1.00 each.

Storrs & Harrison Co., Painesville, Ohio.

INSECTICIDES

Eastern Chemical Co., Boston, Mass.
Imp. Soap Spray.

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Neotilde kills all greenhouse pests.

P. R. Pallettorpe Co., Owensboro, Ky.

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Stump & Walter Co., New York.

Killdend Tobacco Dust.

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Aphine Manufacturing Co., Madison, N. J.
Aphine.

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E. H. Hunt, Chicago, Ill.

To-Bak-line Products.

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Wilson Plant Oil and Fertilizer Co.,

Elizabeth, N. J.

Wilson Plant Oil.

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Acme Nicotine Insecticides sold direct to the grower. Acme 45 per cent. Liquid, pint \$1.75; gallon \$12.50. Acme Fumigating Paper, case of 288 sheets \$5.50. Sample can of 24 sheets 60 cents, postpaid. J. P. Beermaker, 9 Washington Ave., St. Louis, Mo.

IRISES.

IRIS. All of the leading varieties. C. S. Harrison's Select Nursery Co., York, Neb.

IVIES

Ivy, German, 2 in., \$2.00 per 100.

THE GEO. WITTBOLD CO.,

Edgebrook, Chicago, Ill.

JAPANESE LILIES

Lochner & Co., New York, N. Y.

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JERUSALEM CHERRIES

JERUSALEM CHERRIES, pot grown, strong and well berried plants, 4-in., \$10.00 per 100. Cash, please. F. Sokol, Worcester, Mass.

KENTIAS.

Boblink & Atkins, Rutherford, N. J.

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A. Leuthy & Co., Roslindale, Mass.

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LANDSCAPE GARDENING COURSE.

Home Correspondence School, Springfield, Mass., Dept. 8.

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LANTANAS.

Lantana Delicatissima, 2 in., \$2.00 per 100.

THE GEO. WITTBOLD CO.,

Edgebrook, Chicago, Ill.

LAUREL

Laurel wreath roping and branches furnished on short notice Jones, The Holly Wreath Man, Milton, Delaware.

LILAC

Rouen, 3 to 4 feet, six to fifteen branches, an ideal hedge as it stands, \$10.00 per 100. C. S. Harrison's Select Nursery Co., York, Neb.

LILIUM HARRISII

F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

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LILIUM MULTIFLORUM AND GIGANTEUM

R. M. Ward & Co., New York, N. Y.

Horse Shoe Brand.

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Yonkers Nursery Co., New York, N. Y.

LILY OF THE VALLEY PIPS

Lochner & Co., New York, N. Y.

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MARGUERITES

Marguerites, white and yellow cuttings, \$6.00 per 1000.

Marguerite plants, yellow, 2 in., \$2.00 per 100; \$18.00 per 1000.

THE GEO. WITTBOLD CO.,

Edgebrook, Chicago, Ill.

MASTICA

F. O. Pierce Co., New York, N. Y.

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MATS FOR COLD FRAMES

Wm. Elliott & Sons, New York, N. Y.

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Kentucky Tobacco Product Co.,

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NIKOTEN APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.

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Bay State Nurseries, North Abington,

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Hardy, Northern Grown Stock.

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McHutchison & Co., New York, N. Y.

Direct Importations.

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F. E. Conine Nursery Co., Stratford, Conn.

Large Evergreens, Deciduous Trees, Large

Shrubs, Etc.

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TREES, SHRUBS, ROSES, EVER-

GREENS, PEONIES, HARDY PLANTS.

Ellwanger & Barry, Rochester, N. Y.

Manual of the Trees of North America,

by C. S. Sargent, mailed to your address

for \$6.00 by Horticulture Publishing Co.,

11 Hamilton Place, Boston.

ONION SEED.

Schilder Bros., Chillicothe, O.

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ONION SETS

Leonard Seed Co., Chicago, Ill.

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S. D. Woodruff & Sons, New York, N. Y.

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J. Bolgiano & Son, Baltimore, Md.

Fancy Hand-Picked Onion Sets.

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ORCHID FLOWERS

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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.

Fresh Imported and Established Orchids.

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Ordonez Bros., Madison, N. J., Box 108.

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Julius Roehrs Co., Rutherford, N. J.

Hybrid Orchids.

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Sander, St. Albans, England.

Importer, Exporter, Growers, Hybridists.

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Orchids—largest stock in the country.

Store plants and Crotons, finest collection

Julius Roehrs Co., Rutherford, N. J.

Orchid Growers' Manual. By B. S. Wil-

liams, 300 illustrations, 800 pages; descrip-

tions of upwards of 2500 species and varie-

ties of orchidaceous plants, etc. The most

complete work on Orchids and orchid cul-

ture ever published. Price \$10.00. Orders

filled by HORTICULTURE, 11 Hamilton

Place, Boston.

Edward V. Low, late of Hugh Low &

Co., dissolved, Vale Bridge, Haywards

Heath, England. "White" Cattleyas and

Choice Cypripediums are leading features.

PALMS, ETC.

A. Leuthy & Co., Perkins St. Nurseries,

Roslindale, Mass.

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Lochner & Co., New York, N. Y.

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PANSIES

We offer seedlings of Giant Pansies, mixed, Callipolis grandiflora and Sweet Williams at 50c, 100; \$2.75, 1000. Russell Bros., Syracuse, N. Y., Route 4.

PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.

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PECKY CYPRESS BENCHES

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A. T. Stearns Lumber Co., Boston, Mass.

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PEONIES

"Fragrans," late dark pink, large divisions, \$6.00 per 100, \$50.00 per 1000. Chas. Lenker, Freeport, L. I., N. Y.

PEONIES. Send for our wholesale list. C. S. Harrison's Select Nursery Co., York, Neb.

PHLOX

PHLOX. Field grown. C. S. Harrison's Select Nursery Co., York, Neb.

PHOENIX ROEBELENI

H. A. Dreer, Phila., Pa.

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PLANT STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.

"Riverton Special."

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German Kall Works, Baltimore, Md.

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POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

POULTRY AND FARM REVIEW.

The Rex Company, Harrisburg, Pa.

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PRIMULAS

Roman J. Irwin, New York, N. Y.

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PRINCESS PINE

Ground pine, guaranteed quality, delivery Nov. and Dec. Price \$8.00 per 100 lbs. Jones the Holly Wreath Man, Milton, Del.

PRINTING.

The Rex Company, Harrisburg, Pa.

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PRIVET

California Privet, any quantity, size, age. Others say ours is the best grown. Write for prices; also on shrubbery, ornamentals, fruit trees, asparagus, etc. Franklin Davis Nursery Co., Baltimore, Md.

Half a million privet. Strong, heavy, well furnished stock, 18 to 24-in. \$15.00 per 1000; 2 to 3 ft., \$20.00 per 1000; 3 to 4 ft., \$25.00 per 1000. Dwarf and specimen evergreens, shrubbery and trees in all varieties.

AMERICAN NURSERY CO.,

Singer Bldg., New York, N. Y.

RHODODENDRONS

P. Ouwerkerk, Hoboken, N. J.

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RHUBARB ROOTS
Mammoth Red rhubarb. Strong 1-yr. plants for forcing or growing on, \$2.50 per 100; 2-yr., extra large, \$6.00 per 100.
Wm. Eschsch Co., North Milwaukee, Wis.
RHUBARB ROOTS, extra large clumps for forcing, \$20.00 per 100; strong divided clumps for replanting, \$8.00 per 100. Best kind for the market, red stalks.
Sluis Seed Store, 314 W. Grand St., Chicago.

RIBBONS AND CHIFFONS
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RUBBER STAMPS, STENCILS.
The Rex Company, Harrisburg, Pa.
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SALVIAS
Salvia, rooted cuttings: Bonfire, Zurich, \$6.00 per 1000.
THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

SANSEVIERIAS
Sansevierias, 4 in., 20c. each, \$2.25 doz.
THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

SEED GROWERS
Braslan Seed Growers Co., San Jose, Cal.
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C. C. Morse & Co., San Francisco, Calif.
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Flower Seeds for the Florist.
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Leonard Seed Co., Chicago, Ill.
Peas, Beans, Radish and all Garden Seeds.
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Wm. Elliott & Sons, New York
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James Vick's Sons, Rochester, N. Y.
All Leading Varieties of Seeds.
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Asparagus Plumous Nuts Seed.
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J. Bolgiano & Son, Baltimore, Md.
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Lochner & Co., New York, N. Y.
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SHEET MOSS
The very best quality obtainable. For early orders we will offer indexing prices.
Jones, The Holly Wreath Man, Milton, Delaware.

SOLANUM
Solanum Aculeatis forcing, 6 in. strong plants, 50c. each, \$5.00 doz. Capital (Jerusalem Cherry), 3 in., \$2.00 doz., \$15.00 per 100; 6 in., \$3.00 doz.
THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

SPHAGNUM MOSS
H. J. Smith, Haverdale, Mass.
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Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

SPRAYERS
Chas. J. Jager Co., Boston, Mass.
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TRADESCANTIA
Tradescantia variegata (Wandering Jew), 2 in., 40c. doz., \$3.00 per 100.
THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.

TREE RENOVATION
John T. Withers, Inc., Jersey City, N. J.
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VEGETABLE PLANTS
Fox Hall Farm, Norfolk, Va.
Tomato, Cabbage and Lettuce Plants.
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VENTILATING APPARATUS
Foley Mfg. Co., Chicago.
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The Advance Co., Richmond, Ind.
Improved Ventilator Arm.
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VINCAS
Vincas, 4 in., \$2.00 per doz., \$15.00 per 100.
THE GEO. WITTBOLD CO.,
Edgebrook, Chicago, Ill.
Vinea variegata, field grown, strong plants, \$5.00 per 100; \$45.00 per 1000. Russell Bros., R. 4, Syracuse, N. Y.

Vinea variegata. Strong selected field clumps, \$5.00; good medium, \$1.00 per 100. Rooted cuttings ready in December, \$7.00 per 1000. Cash. M. M. Lathrop, Cortland, N. Y.

WIREWORK
Reed & Keller, 122 W. 25th St., N. Y.
For page see List of Advertisers.
Wirework. Write for our catalogue.
Holton & Hunkel Co., Milwaukee, Wis.
William E. Hellacher's Wire Works, 38-40 Broadway, Detroit, Mich.

WOOD PRESERVATIVE
Conserve Wood Preservative doubles the life of all exposed lumber. Preserves benches, posts, sills or planking. Costs 3c. a stick, and saves ten times its cost.
Samuel Cabot, Inc., Mfg. Chemists, Boston, Mass.

WIRED TOOTHPICKS
W. J. Cowee, Berlin, N. Y.
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XMAS PEPPERS
Xmas Peppers, fine berried plants, 4 and 4½ inches, \$8 to \$10 per 100. P. Rieh Downers Grove, Ill.

WHOLESALE FLORISTS
Boston
N. F. McCarthy & Co., 84 Hawley St.
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Welch Bros., 228 Devonshire St.
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H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl.
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New Offers in This Issue.
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CHRYSANTHEMUM STOCK PLANTS.
J. H. Kader, Rochester, N. Y.
COLD STORAGE VALLEY PIPS.
J. H. Kader, Rochester, N. Y.
CYPRIPIUM CAUDATUM.
A. H. S. Co., New York.
FLORISTS' TELEGRAPH DELIVERIES.
J. H. Kader, Rochester, N. Y.
J. H. Kader, Rochester, N. Y.

FORCING ASPARAGUS.
A. S. S. Co., New York.
REFRIGERATORS FOR FLORISTS.
B. S. S. Co., New York.

In writing to Advertisers kindly mention Horticulture

Tobacco Paper

IS THE

**STRONGEST,
BEST PACKED,
EASIEST APPLIED.**

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

"NICO-FUME" LIQUID

OVER 40% NICOTINE

By far the
CHEAPEST.

**Furnishes the
Most Nicotine for the Money**

... Manufactured by ...

THE KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

JUST NOTE PRICE!

Pint.....	\$ 1.50
½ Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

NIKOTEEN The most effective and economical material there is for spraying plants and blooms. **NIKOTEEN** skillfully extracted from leaf tobacco, and carefully refined, it is clean and easy to apply. Does the work when **NIKOTEEN** vaporized either in pans, or pipes, or over a flame.

Full Pint Bottles, \$1.50.

NIKOTEEN APHIS PUNK

Specially prepared for fumigating closed houses. It vaporizes the Nicotine evenly and without waste. Nothing keeps a house free from Aphis so cheaply.

Price \$6.50 per case of 12 paraphrased boxes. All Seedmen.

To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free.)

Use any form you choose but buy it of

E. H. HUNT, 131 N. Wabash Avenue, Chicago

Wilson Plant Oil & Fertilizer Company

ELIZABETH, N. J.

Horticultural Supplies

Write for our special Catalogue

Flower Market Reports

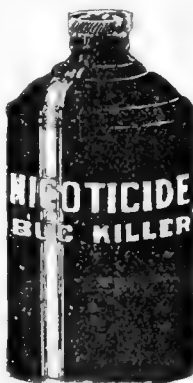
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Business during the past week was not as good as expected. With the thermometer below 30 degrees it was expected that things would begin to boom, but such was not the case. The Pure Food Show called for a considerable amount of cut flowers and plants and a number of large weddings added to the week's work. The Bane-Roosevelt and the Easterday weddings consumed over a thousand chrysanthemums and a large number of American Beauties and other stock. These latter are coming in fine shape and meet with a ready demand. There are lots of chrysanthemums on the market but they are moving at low figures. Roses are fairly plentiful and are of good quality. Lilies are in small demand and not many are being shipped into the city which means that few are lost through being unsalable. Orchids are a little more plentiful and selling better. In the case of carnations the demand equals the supply and the stock is improving daily, while greens are hanging fire. Sweet peas are starting to come in but in limited quantities. The amount of Hudson River violets is small in quantity but good and the S. S. Pennock-Meehan Co. are showing some exceptionally fine stock. Lily of the valley is moving well.

KILMDEAD
The best of all
the tobacco
dusts for
Dusting or
Fumigating

88 lbs. \$1.00 100 lbs. \$ 8.00 1000 lbs. \$27.00
90 lbs. 1.75 500 lbs. 14.00 2000 lbs. 52.00

Stump & Walter Co. 50 Barclay St., New York, C.



**The Best
Bug Killer and
Bloom Saver**

For PROOF
Write to

P. R. Palethorpe Co.
OWENSBORO, KY.

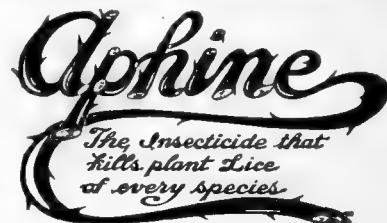
Spray Your Trees and Do Your Whitewashing



With Deming Spray Pump. You can have a good crop of pears, plums, cherries, apples, etc., if you keep your trees in good condition—free from insects.

DEMING SPRAYERS

Are inexpensive and are suitable for whitewashing, poultry houses, cellars, etc., as well as spraying flowers, trees and shrubbery. Get complete catalogue and spraying formulas from **CHARLES J. JAGER COMPANY** 201-2 FRANKLIN STREET BOSTON, MASS. AND 32 CANAL ST., PROVIDENCE, R. I. A Long and List in Every Office.



Just the remedy for the black aphids on chrysanthemums—red spider and thrips on carnations—green fly on roses—mealy bug on gardenias and crotons—scale on ferns, palms and other decorative stock.

\$2.50 per gallon, \$1.00 per quart.
U. S. AND CANADA.

FUNGINE

Fungine has no equal for carnation rust, rust on chrysanthemums and mildew on roses.

\$2.00 per gallon, 75c. per quart.
U. S. AND CANADA.

There is but one convincing way for you to become familiar with the merits of Aphine and Fungine, and that is—test them out yourself—it will prove worth your while.

For sale by seedsmen.

MANUFACTURED BY
APHINE MANUFACTURING COMPANY
MADISON, N. J.

Imp Soap Spray

Clean and odorless. Forms invisible films. Non-corrosive. Usual effective strength, one to thirty-two.

Single gallons, \$1.50
In barrels, \$1.00

Eastern Chemical Company
Pittsburg Street
BOSTON

Rubber Stamps, Stencils

Seals, Steel Stamps, Hotel Baggage and Key Checks, Badges, Burning Brands, Pew Numbers, Numbering Machines, Check Protectors, Stencil Combinations, Steel Alphabets and Figures, Indelible Inks, Stencil Colors and Brushes, Door Plates, Rubber Type. Illustrated Catalogue of nearly 100 pages sent with first order or upon receipt of 5 two-cent stamps. Agents wanted.

THE REX COMPANY, Harrisburg, Pa.

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OBITUARY.

John J. Murphy.

John J. Murphy, employed by the South Park Floral Co., New Castle, Ind., died at his home on Oct. 28.

Andrew Thurston.

Andrew Thurston, father of the manager of the Boston Flower Exchange, died at his home in Dorchester, Mass., on Nov. 4, aged 71 years. Two sons and four daughters survive him.

Henry Angermuende.

Henry Angermuende, employed for many years by J. M. Thorburn & Co., died on Nov. 10. He began in their employ as head porter and finally had charge of their tree-seed department, in which capacity he proved very efficient. He was a German, of very good education, absolutely reliable and one whose demise will be much regretted.

Elijah Huftelen.

On Oct. 26, Elijah Huftelen died at his home near LeRoy, N. Y., after a short illness. He was born near LeRoy in 1838 and was engaged in growing stock for the florist trade. He made a specialty of lilies and both imported and exported bulbs and plants. Two sisters and one brother survive him. George C. Richmond succeeds him in business.

John R. Haldeman.

John R. Haldemann, organizer of the Southwest Horticultural Society, and an authority in Missouri on orchard subjects, died in Springfield, Mo., aged 81 years. Mr. Haldeman was born in Hamilton County, O., but much of his life was spent in Bloomington, Ill. He was a close friend of Abraham Lincoln, and an inventor of some note. An orchard sprayer which he first perfected is widely used.

Stephen Taplin.

Stephen Taplin, retired florist and nurseryman, died at his home in Detroit, Mich., on Oct. 9. He was born in Overton, Hampshire, England, about 1833 and came to this country when about 35 years of age. He had been a resident of Detroit for many years, having greenhouses at 962 West Fort street and a nursery of five acres in another section of the city. He is survived by a widow, one daughter and two sons.

Peter T. Devoy.

On November 6 Peter T. Devoy died at his home, 40 Worrall avenue, Poughkeepsie, N. Y. Mr. Devoy was a florist well known throughout the state. He was born on the Morse place on the South road, Poughkeepsie, where his father was employed for a number of years. His father established the firm of Thos. Devoy & Sons, which Thomas carried on after his father's death. He is survived by a widow, one daughter and two sons.

Make the Farm Pay



Prof. Brooks

Complete Home Study Courses in Agriculture, Horticulture, Floriculture, Landscape Gardening, Poultry, Poultry Culture and Veterinary Science under Prof. Brooks of the Mass. Agricultural College, Prof. Craig of Cornell University and other eminent teachers. Over one hundred Home Study Courses under able professors in leading colleges.

250 page catalog free. Write to-day

THE HOME CORRESPONDENCE SCHOOL

Dept. H. A. Springfield, Mass.

POULTRY and FRUIT REVIEW

A publication on the farm journal that reviews all poultry and fruit papers in United States, will be sent on trial one year to all who send 16 cents, to pay wrapping and postage, and names of three fruit or poultry raisers.

THE REX COMPANY

HARRISBURG, PA.

SITUATIONS WANTED

SITUATION WANTED by expert roses grower with long experience in Europe and America. Single man. Understands steam boilers. Address "Ch. P.," care HORTICULTURE.

SITUATION WANTED by commercial grower of roses, carnations, chrysanthemums and pot plants. Is open to engagement. Middle aged, married. Good references. Understands steam boiler. Address "E. H.," care HORTICULTURE.

SITUATION WANTED in Massachusetts by an all around florist of over 25 years experience. Rose growing a specialty. Capable to take full charge. Now in charge of large rose growing establishment. Reasonable wages and permanent position desired. Married; no children. Address N. H., care HORTICULTURE.

FOR SALE

FOR SALE—Fresh from factory, new 10 x 12, 16 x 18, 16 x 24, double thick. A and B qualities. Market dropped. Now is the time to buy and save money. Parselsky Bros., Inc., 215-217 Havemeyer St., Brooklyn, N. Y.

ters. Mr. Devoy was a member of the S. A. F., and Dutchess Horticultural Society.

G. H. Pieser.

The death of Gabriel H. Pieser, which has been hourly expected for many weeks, came to end his suffering November 14th, at 3 A. M. For twenty years he had been engaged in the wholesale commission business in Chicago with his brother, E. E. Pieser, whose career as a florist doubles in point of years that of his own, and the failing health of both has been a source of deep regret to their associates in business.

Gabriel H. Pieser was born in Chicago 57 years ago last May and has made this city his constant home. He was president of the firm of Kennicott Bros. for many years till forced by ill health to give it up to his brother and was last seen at the old place of business about September 1st, 1911, which time he has constantly missed.

Mr. Pieser leaves a wife, a son, G. H. Pieser, Jr., a mother, two brothers, E. E. and E. E. Pieser, and two sisters, Mrs. J. J. Mitchell and Mrs. H. J. Metz.

The funeral took place Thursday, at 10 A. M., from the residence, 4447 Indiana avenue, and interment was in the family lot at the Jewish cemetery.

FOR "POT LUCK" TRY US... HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

Pearson Street,
LONG ISLAND CITY, N. Y.

WRITE FOR CATALOGUE AND DISCOUNTS

A. H. HEWS & CO., Inc.

Main Office and Factories
CAMBRIDGE, MASS.

LORD & BURNHAM COMPANY'S
NEW PHILADELPHIA
MANAGER.

On Nov. 10, 1911, D. T. Connor, who has been associated with Lord & Burnham Company's Philadelphia office for the past few years, resigned his position.

As we announced in these columns a month or so ago, Mr. Montague C. Wright, who for the past seven years has been associated with Lord & Burnham Company's New York office, was at that time made manager of the Philadelphia office and southern territory. Mr. Wright, as an old Philadelphia boy, was for several years in the employ of Frederick H. O'Neill, who was then sales agent in that section for Hitchings & Company's greenhouses. Mr. Wright is a



MONTAGUE C. WRIGHT

man of broad greenhouse experience, having handled some of the largest contracts of the firm in both the commercial and private field. Having started in the business by doing the practical sides of the work, he has the advantage of a thorough understanding of its every detail. In planning and designing various lay-outs he has been particularly successful.

Associated with Mr. Wright will be Mr. Woodward, who, in his recent position as manager of the pipe frame construction department at the Company's Irvin factory, has had exceptional opportunities for acquiring experience in both the manufacturing and selling phases of the greenhouse business. With such a combination of sales ability the Company's friends in the Philadelphia section and the great south will certainly be well taken care of.

Sharon, Pa. Peter Olsen, formerly with the Sea Cliff Nurseries, Sea Cliff, N. Y., has leased the Idlewild Greenhouses.

DREER'S "Riverton Special" Plant Tub



No.	Diam.	Each	Dos.	105
10	20 in.	\$1.45	\$16.00	\$130.00
20	18 in.	1.30	14.00	115.00
30	18 in.	1.00	11.25	92.00
40	14 in.	.85	7.00	56.00
50	12 in.	.45	5.00	40.00
60	10 in.	.38	4.00	32.00
70	8 in.	.30	3.50	28.00

Manufactured for us exclusively. The best tub ever introduced. The neatest, lightest and cheapest. Painted green, with electric welded hoops. The four largest sizes have drop handles.

HENRY A. DREER, Seeds, Plants, Bulbs and Supplies, 714 Chestnut Street, Philadelphia, Pa.

Dreer's Peerless Glazing Points

For Greenhouses

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts.

The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid.

Samples free.

HENRY A. DREER,

714 Chestnut Street,

Philadelphia.

FULL
SIZE
No 2

1000 READY PACKED CRATES

STANDARD FLOWER POTS AND BULB PANS

can be shipped at an hour's notice. Price per crate:

2000 1 1/2 in.	@ \$6.00	500 4 in.	@ \$4.50
1500 2 "	" 4.88	450 4 1/2 "	" 5.24
1500 2 1/4 "	" 5.25	320 5 "	" 4.51
1500 2 1/2 "	" 6.00	210 5 1/2 "	" 3.78
1000 3 "	" 5.00	144 6 "	" 3.16
800 3 1/2 "	" 5.80	120 7 "	" 4.20
		60 8 "	" 3.00

HILLFINGER BROS., Pottery, Fort Edward, N. Y.

August Rolker & Sons, 31 Barclay St., N. Y. City Agents.

OUR SPECIALTY—Long distance and export trade.

Syracuse Red Pots

"A little pot is soon hot," likewise a thin pot. This will save you fuel. Our pots are the thinnest and toughest owing to the superior quality of the clay.

New price list on application.

Syracuse Pottery Co., SYRACUSE, N. Y.

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts.,

Washington, D. C.



Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

GREENHOUSES BUILDING OR CONTEMPLATED.

Joplin, Mo.—H. A. Hall, house 56 x 225.

Lompoc, Cal.—Antoine C. Zvolanek, two houses.

Medway, Mass.—Robert Doherty, Main street.

Laramie, Wyo.—Bert Clippinger, two houses, each 22 x 50.

Irondequoit, N. Y.—Edward Brockman, Ridge road, one house.

Superior, Wis.—F. H. Rockwood, Elmira avenue, four houses.

Longmeadow, Mass.—P. H. Born, Woodlawn place, one house.

Passaic, N. J.—McAllister & Co., 157 Main avenue, one house.

Herrington, Kan.—J. A. Gordon, addition doubling the size of his plant.

Florence, S. C.—The Florence Nursery, F. DeWitt House, proprietor, house 65 x 150.



ALL THE CLAY

FOR OUR

Florist's Red Pots

is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots, order from us.

THE PETERS & REED POTTERY CO.

Zanesville, Ohio



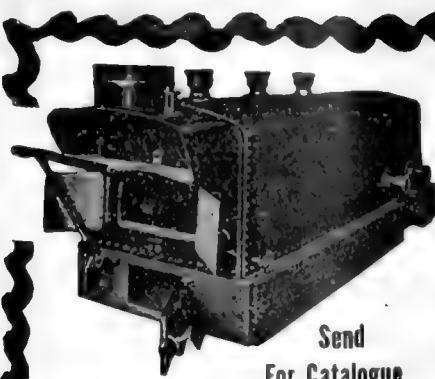
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Send your business direct to Washington. Saves time and insures better service. Personal attention guaranteed. Twenty-five years' active service. SPECIALTY: "Working on the Failures of Others."

SIGGERS & SIGGERS

PATENT LAWYERS

Box 9, National Union Building
Washington, D. C.



Send
For Catalogue

What the Users say

KROESCHELL BOILER

Half the Coal and Half the Work.

"Your No. 13 boiler is carrying 25,000 sq. ft. of glass and I can keep it at 60 degrees in the coldest weather without any trouble. I have three other types of boilers also heating a range of 25,000 sq. ft. of glass, but the No. 13 Kroeschell Boiler ONLY TAKES HALF THE COAL and half the work to get the same results."

J. G. FRISZ, Vincennes, Ind.
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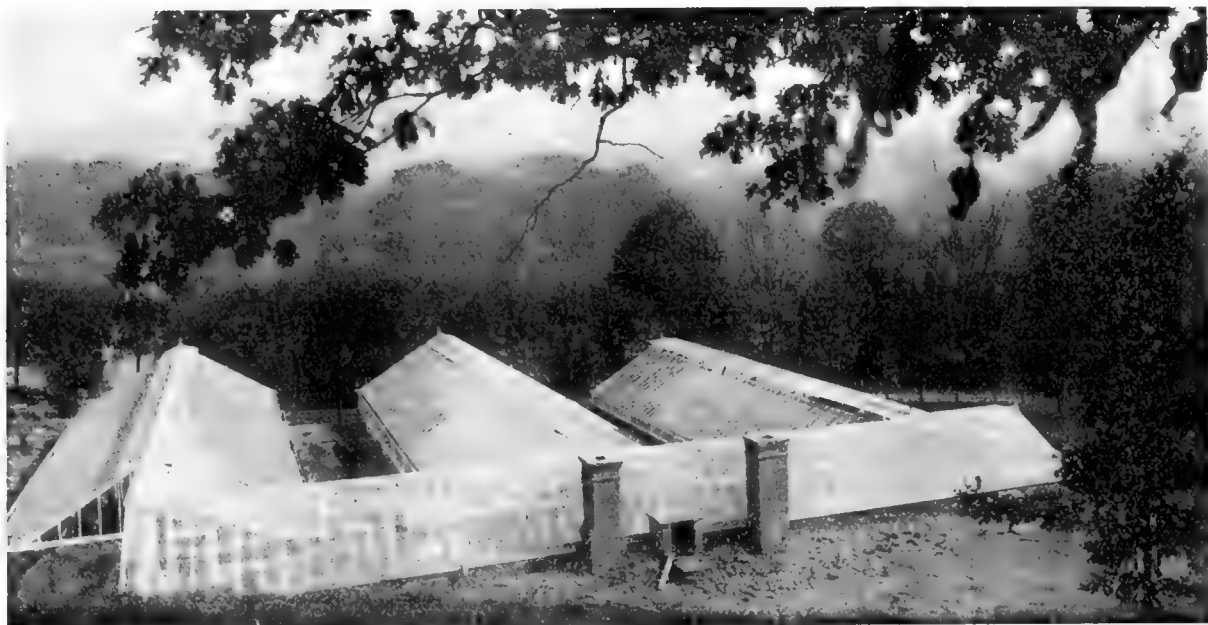
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NEW YORK

HORTICULTURE

Vol. XIV.

NOVEMBER 25, 1911

No. 22



CLEMATIS MONTANA VAR. FL. L.



DEVOTED TO THE
FLORIST, PLANTSMAN, LANDSCAPE GARDENER AND KINDRED INTERESTS

PUBLISHED EVERY SATURDAY AT 11 HAMILTON PLACE, BOSTON, MASS.

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Ramapo, the commercial yellow that will take the place of Col. Appleton.

NEW ROSES

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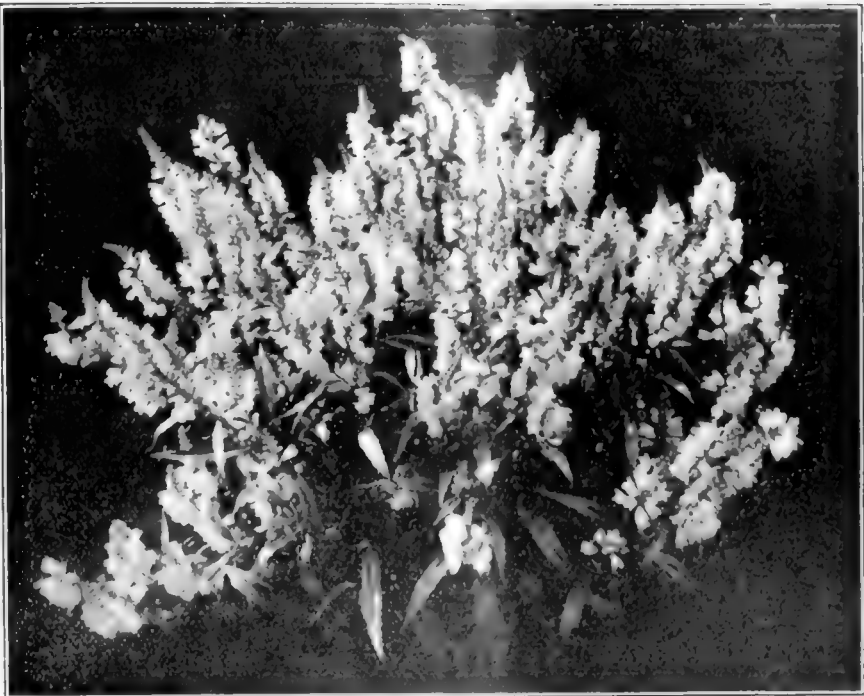
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Physostegias

Physostegia, syn. Dracocephalum, or—as the common name of this hardy herbaceous plant genus reads—False Dragon-Head, is one of our best tall-growing midsummer perennials. Of erect slender growth, attaining a height of from 1½ to 4 feet, it is an ideal border plant, also well adapted for the wild flower garden. The foliage, of extraordinary substantiality, on thrifty plants shows a dark vivid green. Best known in gardens both here and abroad is the original form *Physostegia virginica* with its white flowering descendant, *P. virginiana alba*. Both flower during July and August, producing attractive terminal spikes of thickly set blossoms of rosy-lavendar or pure white. Their value as effective material for filling vases is increased by their wonderful lasting quality. The flowers in the vase shown on our illustration had been cut nearly a week before the picture was taken and remained fresh in appearance for several days thereafter. In formal gardens and on the mixed borders on lawns and in parks physostegias should be planted rather closely so as from the very start to form a thick mass of stalks. The roots of this perennial have to some extent a rambling habit of growth and for this reason physostegias can be very easily propagated by divisions. Of more recent introductions I mention *Physostegia alba grandiflora* representing a decided improvement over the common white form, and a low growing variety listed as *nana compacta* and said to be freely branching. The fact that the number of tall midsummer flower-



PHYSOSTEGIA VIRGINICA

ing species of hardy perennials is limited places physostegias in rank with the aconitums, helianthus and phloxes. They should by all means receive due consideration in all cases where herbaceous plantations of some extent are planned for they help to give the total aspect variety when it is needed. According to my observation an open sunny exposure is preferable in the North while south of New York I have found physostegias thrive equally well in partly shady positions. Care must be taken that the plants receive sufficient water during prolonged hot and dry weather.

Northeast Harbor,
Maine. Richard Rothe

New Chinese Plants in England

It has occurred to the writer that a few remarks concerning the Chinese plants introduced by Mr. Wilson and their behavior in English gardens may be of interest to American readers as all the plants of this collection were received from the Arnold Arboretum, Boston, Mass., through the generosity of Professor C. S. Sargent, Director of that famous institution.

To illustrate what has been achieved with these plants and the high estimation in which they are held in this country we might refer our readers to the two groups which have been exhibited before the Royal Horticultural Society in two successive years, and on each occasion the highest award of the Society, namely a gold medal, was given. It would be impossible here to speak of the merits of each variety, such a rich and varied collection but it is most gratifying to find that nearly the whole of them withstood the severe winter of 1910 without the slightest protection in the open, and I think there is every reason to believe that the large majority will prove absolutely hardy both here and the United States if proper attention is given their younger stages.

Many of the plants of the collection were transplanted in their early stages of growth and have now made fine specimens. Some attention might be made of *Ailantus Villosa*, *Paulownia*, *Cedrela sinensis*, *Eucommia alba*, the hardy rubber tree—several of the new *Clarias*, *Flacinas*, *Exochorda Giral-*

di—a magnificent species *Viburnum rhytidophyllum*—a remarkable broad-leaved evergreen—and *V. cylindricum*, *Cotoneaster*, both evergreen and deciduous being very promising. *Lonicera fragophylla*—a handsome climbing plant—and *L. Maaekii*, a fine bush specimen. Many of the *Rubi*, of which there is a great variety, are very handsome and form magnificent specimens. Many of the climbers are also splendid decorative garden plants especially *Clematis montana rubens* and *Wilsoni*, the *Vitis*, *Actinoides*, *Schizandra*, *Aristolochias* and *Cocculus*. *Hydrangeas* are numerous but *H. Sargentii* is the most striking of all with remarkable foliage. The collection is particularly rich in beautiful new flowering shrubs and trees whose foliage colors long live in the garden. Many others are striking objects in the winter, and the beauty of their stems. As the winter collection has been raised from seed the plants hardly be bestowed on the collector. The H. S. S. for the care of the collection is a most valuable and for the garden.

Richard Beckett

Albermarle, England.

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Politics versus Horticulture

The result of the recent annual election of the Massachusetts Horticultural Society has created a sensation. For the past ten years a quiescent state has prevailed between the former warring factions of the Society, which has been followed by a greatly improved financial condition and phenomenal progress in the horticultural work, not only of the Society, but of the community. Peace and progress have prevailed in horticultural Boston for a decade, and the wanton act which has ruthlessly precipitated the Society into its present condition is greatly to be regretted. Had there been any principle or important issue at stake, there might be some excuse, but there was neither.

Personal ambitions may have been accountable for the unusual appearance at the polls of half a hundred or more members who are not accustomed to take any interest in the society's affairs. That a horticulturist of such standing and value to the Society as Mr. Peter Fisher should have failed of re-election as trustee when he really had the largest support of the regular voluntary voters is a blow at the vital interests of horticulture that is deplored and strongly resented. The end is not yet.

What have the exhibitions taught?

The exhibition season is now on the wane. What have we learned from the experiences of this year's shows? What deductions can be drawn that will be valuable for future guidance so that the direct usefulness of these events shall be enhanced and that the best results may be attained. Our readers' answers to this query would probably be as diverse as their own individuality. Should there be any who have learned nothing, then so far as they are concerned the exhibitions have to that extent failed in their mission. Exhibitors—whether successful in prize winning or otherwise—managers and promoters, judges, visitors whether professional or of the general public—for each and every one the experience of each year should impart its lesson—knowledge not before possessed—and for the future, purposes and aspirations of which the stimulating motive is a desire for advancement. Now is the right time, while the memory is fresh, the critical spirit still active and people are yet in the mood to listen or to read, to tell your friends frankly and without prejudice, where and how in your opinion improvement may be made. The subject is surely a prolific one.

What is "arrangement?"

While penning the foregoing we recall a quite lively discussion, to which we recently had the pleasure of listening, between some observant and progressive-spirited gentlemen as to the justice of the judges' decisions in making their awards to exhibits "arranged for effect" on a certain occasion. A fair unanimity was expressed as to the number of points variously credited as per the scale by which the judges had been governed, excepting as to the item of "arrangement" which in the case under discussion was, of course, a weighty factor. On the judges' figures on this point the debaters split and the basis of their contention was their several interpretations of the word "arrangement." Now, one great aim in all rules of competition and judging should be to make everything so clear that the possibility of mis-understanding on the part of exhibitors, judges or public should be reduced to a minimum and here seems to be a place where there is room for improvement. To a man of a certain temperament, color harmony will be of paramount importance and no group of plants or flowers, however well placed otherwise, will gain his commendation if it so be that his color sense is shocked. To another it may be mainly a question of form—precise balance or rambling irregularity? To an other the compliance with certain rules as to the natural habits of plants—as, for instance, the placing of an epiphytal species on the ground level and a terrestrial species in an elevated position in an orchid group, would be faulty and inadmissible arrangement in the estimate of the last named—and so on. In view of these facts and the dissatisfactions which have developed at times why not drop this ambiguous word "arrangement" from our scales of points and adopt sub-divisions which will tend to eliminate these sources of trouble. Scales of points are a great advance over the old impressionist method of judging, but that they are not yet perfect will, we think be generally admitted.

Seasonable Notes on Culture of Florists' Stock

ALLAMANDAS

It is time now to discontinue all syringing of these plants, and admit more air, which will be essential at this stage for the ripening of the wood. Be careful not to give too much water at the roots even if the plants do flag considerably. Just enough of water should be given to keep the roots from shrivelling. Let this ripening process be done gradually, allowing the soil to get a little drier after each time, before water is given again. The foliage will after a while turn yellow and fall off. During this restful treatment allamandas should not be exposed to a lower temperature than 60 degrees at night as they are tropical plants. For the ensuing six or eight weeks they can be kept under these conditions and by holding some of the plants back and starting them late they can be made very useful during the summer months.

ASTHELE JAPONICA

These plants which are now arriving should be promptly unpacked and heeled in a frame, giving them a covering of straw or long manure to keep the ground in a condition that will facilitate their removal when needed. No forcing of spiraeas should be attempted until after the holidays. They can be forced into flower in 8 or 9 weeks with a good deal of heat, but it is better to allow them 10 to 12 weeks and you will have better plants with finer bloom when not hurried with too much heat. Start with a temperature of 45 degrees at night and you can keep on increasing the temperature until it has reached 60 degrees. For potting you can use 5, 6 or 7-inch pots of whatever size that will hold the roots comfortably. Before potting give the clumps a dipping in a tub of water so the ball will be soaked thoroughly as ordinary watering will not easily penetrate the thick mass of roots.

COVERING HERBACEOUS BORDER, ETC.

For a protective covering of your herbaceous border there is nothing better than dry forest leaves, loosely scattered through and over the hardy plants and some coarse manure spread over the leaves to prevent their being blown away. This covering need not be done until the ground has frozen to a depth of several inches. All the beds holding outdoor bulbous plants such as lilies, Holland bulbs, etc., will need a good surface covering of litter or manure spread evenly over the beds. All evergreen shrubs and conifers that are for the embellishment of public and private grounds can be carried through the winter in good shape by a covering of straw, hay, or tree leaves of ample thickness to keep hard frost away from the roots. Rhododendrons that are planted in a favored position such as under wide-spreading trees well screened from high winds by thickets of shrubbery will not need much protection, but those that are planted in an exposed position should be screened or have a partial protection with some light loose material against the unwelcome rays of the winter sun.

CYCLOMEN

Plants that are to be in flower at Christmas should have the earliest flowers showing color now. Every additional flower carried by these plants will tend to make them more salable, so give them a location as

near the glass as possible. To keep the foliage in good shape, which is a desirable attribute of every plant, they should be syringed so they will have plenty of room to develop. If you keep them in a symmetrical form. Those that are well advanced can be kept in a temperature of 50 degrees, but those that are rather slow to flower should be given 55 degrees with full light so as to start them early, but do not exceed this heat, which would make them draw up and become weak. Now that we have cool weather they will not need any more shading, except during a short warm spell when a little cheesecloth will break the direct rays of the sun. They like a free circulation of air at all times. Fumigate on the first sign of green fly or thrips. Plants that you are holding out for spring flowering can be kept in a house with a minimum temperature of 40 degrees at night. When the young seedlings have made a growth of two or three roots, they can be transplanted into flats. Use a light compost of one-half of loam, one-half leaf-mold, with the addition of some sand. Keep these little seedlings in a house that stands 60 degrees at night as they like a warmer place than the old plants. So that they will not draw and spindle they should be kept on a shelf near the glass.

LILIUM SPECIOSUM

When the bulbs arrive pot them up into 6-inch pots or what is still better use 8 or 9-inch pots, using three bulbs to the former and five to the latter. Use a porous loam that is blood-enriched with old manure. No forcing will be needed; it will be more of a problem to retard, to keep them out in a deep frame or pit as long as possible. When they have made two or three inches of growth place them in the coolest house you have where they can have abundant ventilation. Water will have to be administered with discretion when grown in this cool temperature until the days become longer and the sun stronger. Keep your temperature anywhere from 48 to 50 degrees and this will hold them back until late.

OUTDOOR ROSES

Beds of outdoor roses are better for having a liberal coating of long manure around the base of the plant, forming a cone about a foot high, and then dry leaves strewn thickly among them after the ground is somewhat frozen. Tender climbers relied upon for next year should have all the new shoots carefully bent down and buried with or without salt-hay, as earth is the cleanest and cheapest or the most reliable material for covering these plants during the winter. Even beds of the more tender sorts of everblooming roses can be safely carried through the winter under a cover of fresh soil. The shoots and growths should be weighted down with something to hold them, and then loose soil shoveled in between and around the plants to the depth of 8 to 10 inches. After the roses had a few hard frosts give them a coating of manure about a foot deep.

John J. M. Farrell

Editor of the Horticulturist, 100 West 42nd Street, New York City

Dear Sir: I have the honor to acknowledge the receipt of your letter of the 11th inst. and in reply to inform you that the same has been forwarded to the proper authorities for their consideration. Very respectfully,
John J. M. Farrell

THE EXHIBITIONS

FRENCH CHRYSANTHEMUM SOCIETY.

On October 26th, the above named Society held its 16th Annual Show and Congress at Biarritz, France. The show was practically organized by M. Rodrigues, President of the Gascony Golf Club, with the assistance of the Bayonne Horticultural Society. Our heartiest thanks as well as those of all the visitors are due to that gentleman for his genial and sympathetic reception. The festivities were of the most hospitable character and lasted during four days.

The show was international in character. M. Martinet and M. Blot, both of Paris, were the Presidents of the Jury. The Vice-Presidents were Señor Alfred de la Pena of San Sebastian who represented Spain and Mr. Harman Payne who did the same for England. The Secretary General of the Jury was M. Philippe Rivoire of the French Chrysanthemum Society.

The judging being over the Jury repaired to the Grand Hotel fronting the sea and there in a lovely saloon with every pleasant surrounding were entertained to a sumptuous lunch. M. Martinet presided. M. Rodrigues offered a cordial welcome. Other speakers were M. Rivoire and Mr. Harman Payne. The party then returned to the Casino for the opening ceremony, at which the orchestra out of compliment to the foreign visitors played the English and Spanish national anthems and likewise the Marseillaise.

The entrance to the Casino is through a gateway in an ornamental railing which encloses a neat little garden. Then the visitor finds himself at the entrance door and passing through the vestibule gets a splendid view of the show from the top of the grand staircase consisting of a double flight of steps.

The first grand prize of honor was awarded to Vilmorin Andrieux & Co. for two fine collections of plants in pots and a border on one side of the room. They were both edged with low dwarf pots of pompons in front in two lines. The border contained some prettily trained plants, pyramids, etc.

The next important lot came from Messrs. Gelos Freres and Mme. Begue who staged a beautifully decorated side hall with the table decorations. We certainly never saw the like. From the centre chandelier there were festoons of vine leaves having electric lamps, and these festoons were distributed round the four corners of the hall. Great attention was paid to the table cloths, lamp shades and glass ware on the tables. Everything, even to the flowers, were of the same shade. There was a large centre table decorated with white roses and around it thirteen circular tables in which each had its special feature of dahlias, carnations, etc. The decoration of the hall was completed by a large number of ageratum, carnations, orchids, etc. The exhibition of plants in pots and a border on one side of the room. They were both edged with low dwarf pots of pompons in front in two lines. The border contained some prettily trained plants, pyramids, etc.

The third chief prize was awarded to M. Rodrigues who staged a most meritorious group. We noted among

them some very fine blooms. He was also the exhibitor of several other groups of dahlias, roses, etc., which contributed materially to the beauty and success of the exhibition. Another excellent exhibit was by M. Bonnet.

Just off the main corridor in a side passage we saw a collection of trained chrysanthemums in all sorts of quaint forms, a practice much in vogue with French growers just now. Other exhibits came from M. A. Roumagnac, who had a fine lot of cut blooms also a tall stand of roses. Some good cut blooms came from M. Pieudrot (gard. to Comte F. de Bearn).

Going casually around the show we should say that big exhibition blooms were not so numerous as would be seen at an English show. But this was no defect for the happy way in which every exhibit was arranged more than compensated for what would have been mere lumpiness. As is usual in France there were no show boards and no tables. Briefly we may say without dealing with individual exhibits that the best flowers from the English point of view were Bryant's Beauty, Lt. Col. Ducroisit, Australie, Maprovince, Alfonso XIII., Mrs. C. H. Totty, Rayonnant, Sapho, Miss Dalton, Mr. R. F. Felton, Lady Hopetoun, Ferd. de Bievre, Paul Randet, Aut. Marmontel, Nathalie Bourseul and a few others.

Quite a number of exhibitors entered in the classes for new seedlings. The prizes awarded were: Prix d'honneur to the Calvat Establishment (M. Remy, director); prix d'honneur to Alfred Chabrier; medals and honorable mention to Messrs. Dolbois, Prioux, Galinier, Brondel, Heraud, Andol, Lacroix, Lafitte and Raillon.

Floral art entries were well done. They nearly all came from the florist firm of Gelos Freres of Biarritz. Several of their exhibits were really choice. There were several interesting collections in the miscellaneous classes. M. A. Roumagnac showed *Nephrolepis* in variety; M. Larsus staged *Begonia Rex* and *B. pictavis*. There was also a good lot of carnations staged by Labaste Brothers.

Exhibitors of dahlias made a rich contribution to the show. We must refer to the large and varied collection of Messrs. Labaste Freres, mostly cactus varieties. M. Rodrigues had a long collection arranged on the ground level of cut blooms that practically carpeted the floor.

Fruit and vegetables were shown in moderate quantity.

C. HARMAN PAYNE.

S. W. Strickland, gardener for Miss Caroline Hazard, Oakwood greenhouse, was awarded the first prize in the professional class for the collection of chrysanthemums at the annual chrysanthemum show of the Silent Circle of King's Daughters, held at Peace Dale, R. I., Nov. 9. The second prize was made by Arthur Dixon, gardener for E. G. Hazard, proprietor of the Hubby House greenhouse. A fine showing was made in all classes. The exhibition of plants and cut flowers was in charge of Miss Florence Northup and Charles Yost. The judges of the professional classes were Mrs. W. G. Gould, Mrs. Arthur Dixon and Miss Florence Northup.

ELBERON HORTICULTURAL SOCIETY.

Editor HORTICULTURE:

Attention having been called to the report on the Third Annual Chrysanthemum Exhibition of the Elberon Horticultural Society held at the Casino, Asbury Park, N. J., Nov. 7th and 8th, 1911, which appears in your issue of Nov. 11th, and covers the subject up to the opening of the Exhibition at 7 o'clock P. M., Nov. 7th, it is surmised that supplemental comment may be of interest.

The exhibition was opened by a short address by the Mayor at the conclusion of which checks were presented to the winners of the Asbury Park Special prizes, \$100.00 1st, \$50.00 2nd and \$25.00 3rd, the excellent judging from which there was no dissent enabling the Society to do this.

To the mild criticism of the closed classes there can be no serious objection, but the schedule was prepared early in the season for the customary local show and we have found the closed classes to be a sensible arrangement based on a fairly good judgment of human nature. Our connection with the Municipal Bureau of Asbury Park, and the addition of the fifty bloom class was not arranged until a very short time previous to the exhibition. But a young and vigorous society having attained one success and feeling the throb of virility, have concluded to make larger and more attractive classes, all of which will be open.

As a matter of course, outsiders won in the open classes. It is to be hoped that your correspondent does not think us capable of enticing exhibitors to our show by offers of liberal prizes only to speed our parting guests with empty purses. And your correspondent should know that his hope for our success has been realized, for from that scattered population of a dead city upward of four thousand to be precise, 4,074—people helped to make the Casino one bright oasis, attendance the first day being 1,128, and the second day 2,946.

The Society feels elated because of an impression that they have contributed to the accomplishment of one of the purposes generally set forth in the preamble of horticultural organizations, even though it is a modest beginning.

Very truly,

BENJAMIN WYCKOFF, Sec.

THE MILWAUKEE SHOW.

This exhibition, which has been widely advertised as something which would be exceptional in quality and lay-out, opened in the Auditorium on the evening of November 15, a summer-land picture in a very wintry environment. The planning and arrangement was under the management of a committee composed of H. V. Hunkel, chairman; C. C. Pollworth, J. G. Heitman, W. C. Zimmermann, A. Leidiger, C. Dallwig, A. F. Kellner and N. Zweifel, and they are deserving of much credit for the excellent scheme which they carried out with taste and fine finish. Pergolas, arbors, fountains and novel lighting effects were among the attractions and the throngs of visitors were well pleased with it.

all. The first day was devoted to chrysanthemums especially, the second to carnations and the third roses. There was quite a strong representation of Chicago people among the exhibitors and prize winners. The banquet table decoration competition brought out eight fine displays which are described as follows, for the opening day:

Currie Bros. Company exhibit in this class was a table laid for eight with decorations of Killarney rosebuds in white china baskets and corsage bouquets and boutonniere to correspond. James M. Fox & Son, table in color scheme of yellow and white, laid for twelve, with candelabra set in vases containing small yellow flowers. Natural fruit centerpiece, Edelfson-Leidiger Company, dinner table set for ten, centerpiece of cluny lace, ferns and asters, cut glass candlesticks. W. C. Zimmerman, reception table with centerpiece of pink ribbon, pink roses and ferns; candelabra of silver with pink roses. M. A. McKenny & Co., centerpiece of tea roses, lilies of the valley, ferns and bouvardia, with corsage bouquets to correspond. A. M. Deitmann & Son, table set for after-theatre luncheon, with centerpiece of white carnations and ferns, the only oblong table shown. E. Welke Company, centerpiece of cluny lace and pink roses and sprays of a small white flower, three small white earthenware vases, representing gates, with the posts serving as vases for pink rosebuds. Walter M. Maas & Co. used pink Killarney roses effectively with a touch of white pompon chrysanthemums.

It was stipulated that the table decorations should be changed three times during the five days of the show. No competitive awards were to be made, but a liberal gratuity was promised for each table complying with the conditions.

CINCINNATI FLOWER SHOW.

This show was reported up to time of our going to press last week. We have now the following additional notes:

On Wednesday the rose exhibits included Puchmann Bros. 1st in all the 100-bloom classes, My Maryland winning in the "any other color" class, South Park Floral Co. and P. J. Olinger each won one 2nd. In the 25-bloom classes, Puchmann Bros. won all the 1sts also, Olinger one 2nd, and So. Park Floral Co. one 2nd. L. G. Hill Co. won the silver cup for 25-bloom variety not yet in competition with 8 roses.

On Thursday, table decorations with Puchmann Flower Shop 2nd, J. C. L. Kytk 2nd. On Friday, had 1st prizes with Herodsty & Co. 1st in all classes, handle baskets, Hedges & 1st, Kytk 2nd. On Friday, 2d, 1st and 2nd.

On Saturday all prize winners were auctioned off to the highest bidder. Milton, Alexander, Lion & Co. representative, moved a cleverly planned. Wm. Murphy's work as superintendent was highly complimented on all sides.

On Thursday evening the local club entertained with a program and smoker. Pres. Gies. Adams welcomed the guests, and Chas. B. H. Webster acted as toastmaster. Among those who responded to the toast were R. Vincent, Jr., H. E. Peck, G. C. Gause, R. Witterstrater, G. C. Kendall, G. W. French, Irwin B. Smith, Otto Koenig, F. W. Price, W. B. Sworth, I. Rosnosky, W. W. Coles, Henry Schwarz, G. C. Adams.

CLUBS AND SOCIETIES

PENNSYLVANIA HORTICULTURAL SOCIETY.

The regular monthly meeting of this Society was held on the 21st at the Horticultural Hall, Philadelphia. Routine matters in connection with the recent flower show took up most of the time. There were of no interest to the general trade and need not be commented on here. The nomination of officers also took place, and resulted as follows:

President—C. B. Newbold.
Vice Presidents—Randall Morgan, Dr. J. Cheston Morris, Henry F. Mitchell, Robt. Craig, J. Otto Thilow.
Treasurer—S. W. Keith, F. J. Mitchell.

Secretary—David Rust.
Professor of Botany—Stewardson Brown.

Professor of Horticultural Chemistry—Dr. John Marshall.

Professor of Entomology—Dr. Henry Skinner.

Professor of Biology—Dr. Ida A. Keller.

Executive Council—Robt. C. Lippincott, John W. Pepper, Edw. A. Schmidt, J. Otto Thilow, James Boyd, Wm. Kleinheinz, Dr. Robt. Huey, John H. Dodds, John McCleary, Wm. Robertson, Xavier E. E. Schmidt, S. W. Keith, Dr. J. Chester Morris, Joseph Hurley.

TARRYTOWN HORTICULTURAL SOCIETY.

The regular meeting of the Tarrytown Horticultural Society was held on Friday evening, Nov. 17th. President Brunger occupied the chair and there was a good attendance. Two honorary members were elected and two applications for membership were received. The competition in roses for the prize offered by John Brunger was keen and a number of fine vases were shown, the prize being awarded to John Elliot—who won with a vase of My Maryland rose. A cultural certificate was awarded to Edward Thretheway for a vase of pink chrysanthemums. J. W. Smith was accorded a rising vote of thanks for the capable manner in which he had performed his duties as manager of the fall show. Messrs Scott, Brewer and Jamieson acted as judges.

MASSACHUSETTS HORTICULTURAL SOCIETY.

At the annual meeting of this society on Saturday, November 18, an unusual attendance was secured, the purpose being to insure the election of certain candidates for the board of trustees. Officers were elected as follows: Charles W. Parker, president; Walter Hunnewell, vice-president; Richard M. Salton, tall one of the. Thomas Allen, Henry F. H. Thomas, Roland, Charles S. Sage (30 years), trustees; Wilfred Wheeler, delegate to State Board of Agriculture; Robert Carpenter, Kennerly, Walter G. Kendall, C. Minor Weld and Fred Wheeler, nominating committee. The secretary of the society will be appointed later.

The sum of \$2000 was raised for prizes and gratuities for the year 1912.

FLORISTS' AND GARDENERS' CLUB OF RHODE ISLAND.

E. A. Appleton of Providence was elected president at the annual meeting held in Swan Lodge Hall, Fort Monmouth, N. J. President Robert Johnson presided over the meeting which was a banquet with coffee, lunch and very well attended. Reports of an encouraging nature were submitted by the officers and various committees showing that the club is in a flourishing and satisfactory condition. The committee on co-operation with the Rhode Island Horticultural Society in connection with flower exhibitions in its report said that it had discharged its duties at the fall show held three weeks ago with good success. As a result of the harmony and co-operation it was reported that the outlook for even greater success for next season was especially bright. The election of officers for the ensuing year was as follows: President, E. A. Appleton; vice-president, Cornelius Hartstra; secretary, W. E. Chappell; treasurer, James Hocky; trustees, H. C. Neubrand, Cornelius S. Hartstra and James Dillon; librarian, Henry C. Bout. The matter of holding a banquet, as has been the practice in the past, was approved, and a committee consisting of President E. A. Appleton, Alexander Macrae and Michael Sweeney were chosen to carry out the arrangements and report thereon together with the date at the next meeting. S. A. G.

ARE YOU WITH US?

Members and Friends of the Sweet Pea Society of America:

Plans have been made to hold our annual meeting and exhibition jointly with the Massachusetts Horticultural Society on July 13th and 14th next. As president of this society it is my desire that it should be the finest exhibition of its kind ever held. Features are already assured which have never before been attempted. If you have a piece of land available where you could grow some sweet peas for this show you would be helping a good cause at slight expense. A committee is now at work on a preliminary schedule which should be ready for distribution about Dec. 1st so that those interested may have ample time to study the features for which they wish to compete. There will be special prizes for Seedsmen, Gardeners, Commercial Growers, Retailers, Amateurs, School Children and School Gardens.

In behalf of the Sweet Pea Society I could like to have seen an enthusiasm in your variety. You could see the cottages and schools and your display attracted attention and increased business for you in time to come. We have a number of the best and most successful seedsmen and gardeners in the country. The gardeners of Lenox, Bar Harbor, the North State, etc. There is no doubt that the one of the best and most done now means a much greater success. Trusting you will act in this matter favorably, I am,

Respectfully yours
WILLIAM SIM, President

INTERNATIONAL CHRYSANTHEMUM CONGRESS AT BIARRITZ.

On the afternoon of the opening day the Jury and Congressists were officially received in one of the salons of the Grand Hotel Biarritz. M. Rodrigues, the genial President of the Show, the Mayor and others warmly welcomed the visitors. On the following morning the first sitting was held. M. Rodrigues proposed that M. Viger, Senator and President of the French Chrysanthemum Society, should take the chair. The Bureau of the Congress was then constituted, the following gentlemen being invited to a seat on the platform: Messrs. Rivoire, Rosain, Dubreuil, Chabrier, Rodrigues and Harman Payne. Among the audience which was numerous we noticed a good many of the well known French chrysanthemum men.

The proceedings commenced by M. Blot being called upon to read a paper on the subject of a pocket edition of the *Repertoire des Couleurs*. A handy pocket edition would be a valuable work for florists and its utility was fully discussed. The next paper was by M. Decault on the most appropriate time for "taking the bud." The third paper was read by D. Chiffot, who dealt with the insect pests and diseases that attack the chrysanthemums. M. Crepin, alluding to the heat of the past summer, stated that all his plants grown in pots out in the open were spoiled, the buds being quite abortive, those grown under shelter being better. Mr. Harman Payne stated that in America, although the chrysanthemum was a hardy plant, it was grown in greenhouses and in benches and that the English grower, Mr. Wells, had partly adopted the practice and was satisfied with his results. Mr. Payne thought this method might prove advantageous to French growers, especially those who lived in the south. D. Chiffot read several letters from growers complaining of the effect of the dry summer and great heat on their plants. There were two papers read on the subject of "Manures for Chrysanthemums."

Medals were voted to various members for past services and it was resolved that the town of Nantes should be selected for the Congress of 1912.

The same evening a banquet was held at 8.30 P. M. M. Viger presided. A large company of distinguished local and other visitors attended the gathering which took place at the Grand Hotel. The Mayor of Biarritz, M. Martinet, M. Rodrigues, M. Rivoire, Mr. Harman Payne and others were called upon to speak.

On Saturday, October 28th, about 80 of the Congressists assembled at the station to go to Hendaye, a little seaside place on the Spanish frontier. The party were rowed across the Bidassoa in boats to visit the old Spanish town of Fuenterrabía, returning the same way to Hendaye. Here at the newly erected Hotel Eskualduna the party were entertained at luncheon by Mr. Martinet. Train was then taken for San Sebastian where the sights were seen, including a visit to the King of Spain's Palace of Miramar and its gardens. Our friends and colleagues being mostly light-hearted sons of the sunny South, beguiled the journey with singing their mountain

songs in patois, old and young, men and women, joining in most heartily.

Sunday was the last day of these festive proceedings. M. Rodrigues presided at the morning session and after the distribution of the prizes we went off to Bayonne and spent the day with M. Alfred Chabrier of Bayonne, who is a well known French raiser of new chrysanthemums.

C. HARMAN PAYNE.

A NEW RASPBERRY.

from Bulletin No. 57 of Foreign Plant Introductions, U. S. Dept. Agriculture.

In connection with Plant Introductions, Nos. 29976-29978 in this Bulletin



Rubus Sp. Chinese Raspberry.

we give the above photograph of a new and interesting strain of Chinese raspberry, Plant Introduction, No. 23346, which was fruited out last season in California. Unlike introductions many years ago from India, which were disseminated widely through the country under the name of strawberry-raspberry, this strain has berries of a very pleasant flavor suited for preserving. Its greatest probable value, however, lies in its early ripening. At Chico, Cal., fruits were ripe while the standard varieties were just in bloom. Similar results were obtained in Maryland with this variety. The fruits have no bloom, are unusually large, and are very attractive. From photograph by Dr. Walter Van Fleet, Chico, Cal., April 14, 1910.

NEWS NOTES.

Concord, N. H.—A new heating plant has been installed in the greenhouses of G. J. Benedict, 25 South street.

Flushing, N. Y.—The A. L. Thorne greenhouse establishment here has been purchased by M. F. Loughman, who will rehabilitate the range tearing down a part and building new with the view of going largely into rose growing—including American Beauties—for the wholesale market.

CLUB AND SOCIETY NOTES.

The landscape gardening class in the Gardeners' and Florists' Club of Boston is very successful and well patronized this season, so that two instructors are required.

At the next regular meeting of the Buffalo Florists' Club a rare treat will be in store for the members. President McClure has managed to arrange for a debate, and together with other entertainment, a pleasant evening is assured.

The North Shore Horticultural Society, Manchester, Mass., has elected the following officers for the ensuing year: President, Herbert Shaw; clerk, James Salter; treasurer, John Jeffrey; executive committee, F. F. Brasch, A. E. Persons, J. Clark, J. Chapman, E. Wetterlow. The financial condition of the society is good. The society is desirous of having a building of its own.

The annual banquet of the Utica (N. Y.) Florists' Club was a very enjoyable affair. About 75 guests participated. An orchestra composed of members of the club rendered excellent music. J. C. Spencer officiated as toastmaster, and Dr. A. C. Beal of Cornell delivered an instructive address on the work that is being done at the Experiment Station in the interests of floriculture.

Rochester Florists' Association, at their meeting on November 13th, adopted a plan of having a display of flowers and papers read at each meeting of the winter on some topic of particular interest to florists. President George B. Hart presided. Arnold George is chairman of the committee on entertainment. He submitted the following programme of papers: December, "The Chrysanthemum," C. B. Ogsten; January, "Perennials," J. M. Keller; February, "Annuals," George Arnold; March, "Roses," Lawrence Cotter, of Jamestown; April, "Pruning," John Dunbar, assistant superintendent of parks.

Charles S. Zoller, who first brought the autichrone plate to this country from France, displayed more than a hundred views of flowers and trees, mostly in Rochester and vicinity, the photographs for which were taken by the Lumiere process of color photography. Some of the difficult subjects which had been taken were orchids at the Kimball conservatory, which were produced in their most delicate shades; bonfire on Cobb's hill; the rainbow at Niagara Falls, and the gold fish in the water at Seneca park.

A NOTED ENGLISH CHRYSANTHEMUM GROWER.

At the Paris Chrysanthemum Show which opened on November 3rd, Thomas Stevenson scored an unusual series of successes. He entered in five classes. Apart from the blooms themselves the taste displayed in their arrangement was of a high order of merit. The jury awarded him a work of art, three large gold medals and a large silver gilt medal. It is seldom that English growers exhibit in France, but the lot put up by this very well known and capable grower aroused great interest among the French visitors, and was indeed in every sense of the word an object lesson.

C. HARMAN PAYNE.

Boddington's Forcing Gladiolus



GLADIOLUS PEACH BLOSSOM.

GLADIOLUS, Colvillei and Nanus (type)

Plant some of these among your carnations; they will come in handy at any time.

	100	1000
Blushing Bride. Flowers are large, pure white with delicate pink spot. Useful for early forcing.....	\$0.75	\$5.00
Peach Blossom. The most beautiful of all the Colvillei type of Gladiolus; the color is a lovely soft pink, on the order of the Killarney rose.....	1.00	8.00
The Bride (Colvillei alba). This lovely white miniature Gladiolus makes a useful cut flower for early spring use; will stand forcing.....	.75	6.00

Gladiolus Gandavensis Hybrids

Many florists plant these in boxes, or among their carnations in the winter. They are excellent for decorative purposes and realize good prices, either wholesale or retail. Gladiolus are a good catch-crop and take up but little room. The following are the best for this purpose:

	100	1000
America. The flowers, which are of immense size, are of the most beautiful flesh-pink color.....	\$3.25	\$30.00
Augusta. The florists' best white Gladiolus:		
First size bulbs, 1 1/4 inches up.....	2.00	18.00
Bulbs, 1 1/2 to 1 3/4 inches.....	1.75	16.00
Shakespeare. White and rose.....	4.75	45.00
May. Pure white; flaked rosy crimson; the best forcer; selected bulbs.....	1.75	15.00
Brenchleyensis (true). Fiery scarlet; top roots.....	1.75	15.00
Selected bulbs.....	1.25	12.00
First size.....	1.00	9.00
Boddington's White and Light. Extra-selected bulbs, 1 3/4 inches and up.....	1.50	14.00
American Hybrids. A mixture of the choicest varieties of Gladiolus.....	1.00	9.00

SPIRAEA, or ASTILBE

	Doz.	100	1000
Astilboides floribunda	\$1.00	\$6.75	\$65.00
Compacta multiflora	1.00	7.00	65.00
Gladstone. Enormous spikes of pure white flowers.....	1.25	9.00	\$7.00
Queen of Holland. One of the finest, grand florist's variety....	1.25	8.50	80.00
Japonica.....	.75	5.75	55.00

SPANISH IRIS (IRIS HISPANICA)

The true value of this Iris appears to have been overlooked in this country. The great diversity of color and its being equally adapted for gentle forcing and massing in beds make it one of the most useful bulbs to plant.

	100	1000
Alexander von Humbolt. Dark blue...\$0.50	\$0.50	\$3.50
Belle Chinoise. Pure yellow.....	.50	3.50
Blanche Superbe. Pure white.....	.50	3.50
Blanche Fleur. White with pale center.....	.50	3.50
British Queen. Large white; very fine.....	.50	3.50
Cajanas. Beautiful deep golden yellow.....	.50	3.50
Chrysolora. Pale yellow.....	.50	3.50
Darling. Blue; very fine; early.....	.50	3.50
Mixed, all colors.....	.35	3.00

ARTHUR T. BODDINGTON, Seedsman, 342 West 14th St. NEW YORK CITY

NEWS NOTES.

Brookville, Mass.—P. O. Burnham has sold his greenhouse to Freeman Wagner.

Dover, N. J.—Henry Payne writes us that the report that he is building a greenhouse is not correct.

Fort Morgan, Colo.—F. W. Weidman, proprietor of the Fort Morgan Floral Co., has sold his business and gone to Texas.

Hatcher Station, Ga.—The Chattahoochee Floral Co. is building a 40 x 50 packing house on a lot they have just purchased.

Deerfield, Ill.—Eighty acres of land

near here has been purchased by Fred C. Clavey, nurseryman, for an extension of his business.

Port Chester, N. Y.—Property at Grace Church and Sands streets has been purchased by John Smith, who will erect three greenhouses and office on it. Three houses in Darien will be moved here. His store will be continued at Liberty square.

Buffalo, N. Y.—Mrs. R. M. Johnson (nee Rebstock) has sold out the store at 614 Main street to Mrs. Cretian, who will conduct the business under the firm name of R. M. Rebstock Co. Miss Adams who has long been connected with Mrs. Johnson, will remain

with the new firm. The trade wishes every success to the new company.

W. H. Eiss, formerly with the Wm. F. Kasting Co., who is now president of the Latchford Refining Co., of Toronto, Ont., was a recent visitor. Mr. Eiss has gained wonderfully in health, and always has some good fishing and hunting stories in stock.

Charles Guenther, the Hamburg florist, was very much disappointed to learn that there would be no fall flower show. However, this did not stop him from growing Golden Wedding chrysanthemums, the finest that have ever been seen in this city, and his eight feet, foliage perfect and the blooms grand. E. C. B.

THE BUYING SEASON

for **Florists' Holiday Material and Standard Winter Indispensable Goods** is now at its height. We have been, are now, and expect to continue

WORKING OVERTIME

Fall trade this season is far beyond any previous years and the quality and variety of the stock in our warerooms and coming in from abroad fully warrants it.

It would take pages innumerable to tell you all we have that you should stock up on. Our catalogue tells all this in detail with splendid half-tone illustrations. **Send for it and see.** Don't wait until the last minute to order.

HELP US AND WE WILL HELP YOU

H. BAYERSDORFER & CO.

THE Florist Supply House of America

1129 Arch Street

PHILADELPHIA, PA.

During Recess

DURING RECESS.

New York Florists' Bowlers' Scores.

Ch'dw'k, 200 200 200	Nugent, 103 94 93
Ri K'ds, 180 165 174	Holt, 133 99 135
Young, 132 170 183	Marshall, 132 132 153

Chicago Bowling Scores, Nov. 15, 1911.

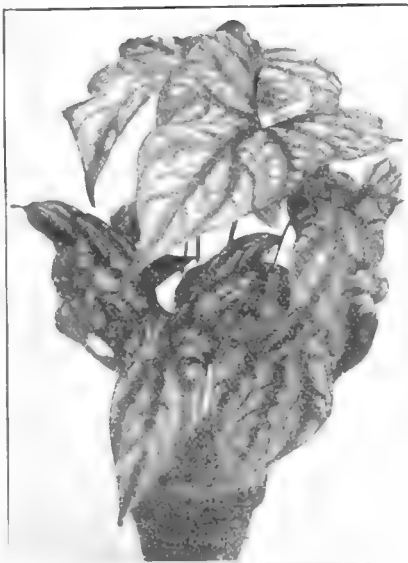
CARNATIONS		ORCHIDS.	
Looman, 168 170 149	Huebner, 157 157 145		
Ayers, 153 181 149	Graff, 178 119 160		
Winters'n, 147 167 133	Krauss, 142 120 109		
Schultz, 129 130 159	Patley, 158 144 207		
A. Zech, 215 184 202	J. Zech, 155 137 154		
ROSES		VIOLETS.	
Schmidt, 114 120 102	Forster, 159 188 160		
Stack, 148 151 150	Wid'br, 152 127 171		
Phoebe, 167 156 200	Lazaroff, 155 83 113		
W. W. H., 211 155 188	Friedm'n, 171 162 156		
H. Stern, 139 179 197	Byers, 107 139 94		

Washington and Baltimore Ladies.

Mrs. George H. Cooke last week entertained a delegation of the Ladies' Auxiliary of Baltimore. The latter were met at the railroad station by an equal number of Washington ladies and by them were escorted to the New Ebbitt House, where a luncheon had been prepared. Following this a sight-seeing trip was taken. The matinee was next on the program, upon the conclusion of which the ladies were ready for dinner. The New Ebbitt was again visited, and then a trip was made to the Arcade where a bowling contest between the Baltimore and Washington teams took place. The battle for supremacy was a spirited one, but due to the fact that only ladies were admitted to the alleys, the outcome is unknown. Assisting Mrs. George H. Cooke were Mrs. Nudoromanski, Mrs. Elmer C. Mayberry, Mrs. George C. Schaffer and Mrs. Simonds. The Baltimore guests were Mrs.

Boone, Mrs. Bauer, Mrs. Klein, Mrs. Perry and Mrs. Quick.
CLARENCE L. LINZ.

NEPHTHYTIS PICTURATA.



A striking ornamental stove plant; foliage dark green and silvery white. Offered by Dreier

Jamestown, N. Y.—Fire destroyed the boiler house of the Lakeview Rose Gardens, Lawrence Cotter, manager, on November 8. The next two days the greenhouses were without heat, but as the weather was mild the apparatus was repaired in time to save the crop.

CLEMATIS MONTANA VAR. RUBENS.

The widely-distributed Clematis montana is known as a very variable plant. In the variety rubens, which forms the subject of our cover page illustration in this issue, we have undoubtedly not only the finest of all the forms of C. montana, but really the most strikingly beautiful of all known clematises. It is hardier than the type and distinct in every way. The foliage is dark with an occasional light gray band down the upper surface of the leaf and reddish beneath. The flowers are bright rose, borne in clusters in the axils of the leaves on the old wood. The color is unique in the genus. This is one of the richest of the gems discovered by E. H. Wilson in the mountains of China.

NEWS NOTES.

Augusta, Me.—The capital stock of the Southern Nut Nursery Co. has been reduced from \$300,000 to \$200,000.

Richmond, Cal.—A flower and nursery business has been organized by Adolph Winters to be known as the Adolph Winters Co. He has discontinued his business at Fourth street and McDonald avenue.

Libertyville, Ill.—Schumann & Kohout, who recently purchased the greenhouses of the Chicago Rose Co., state that next spring the whole place will be planted to White Killarney, Killarney, Richmond and some My Maryland roses and standard varieties of carnations. The Brides and Maids now in the houses will be discarded and two or three new roses put on trial.

DREER'S SPECIAL VALUES IN PHOENIX ROEBELENI



Our stock of this beautiful, graceful, hardy Palm is in prime condition and of good value.

PHOENIX ROEBELENI. Specimens

6 in. pots, 1½ ft. high, 2 ft. spread	\$2.00 each
8 in. tubs, 20 to 22 in. high, 24 in. spread	3.00 each
8 in. tubs, 2 ft. high, 2½ ft. spread heavy	5.00 each
12 in. tubs, 2½ ft. high, 3 ft. spread heavy	12.50 each
14 in. tubs, 3 ft. high, 4½ ft. spread heavy	35.00 each
15 in. tubs, 3 ft. high, 6 ft. spread heavy	50.00 each

A nice lot of young plants in 2¼ inch pots for growing on. \$1 50 per dozen; \$12 per 100; \$110 per 1000.

For a complete line of Seasonable Decorative Stock see our Special Circular of October 12th. If you did not receive a copy write us and we will send you one.

Are you interested in Dahlias, either as a cut-flower proposition or for cataloging? If so send for our Special Wholesale Catalogue of Dahlias quoting special prices on field roots for early orders.

HENRY A. DREER, Inc., 714 Chestnut Street, Philadelphia, Pa.

The above is intended for the trade only.

B. & A. SPECIALTIES

PALMS, BAY TREES, BOXWOOD AND HARDY HERBACEOUS PLANTS, EVERGREENS, ROSES, RHODODENDRONS VINES AND CLIMBERS, AUTUMN BULBS AND ROOTS, CONIFERS, PINES.

Florists are always welcome visitors to our nurseries. We are only a few minutes from New York City; Carlton Hill Station is the second stop on Main Line of Erie Railroad.

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Nurserymen and Florists

Rutherford, N. J.

American Grown Roses

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens.

Write for Trade List. **W. & T. SMITH CO.** Geneva, N. Y.

HARDY NORTHERN GROWN NURSERY STOCK

WE GROW EVERYTHING FOR PLANTING THE HOME GROUNDS A GENERAL ASSORTMENT OF

Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc., Etc.

Our illustrated and descriptive Catalogue for the asking

THE BAY STATE NURSERIES,

North Abington, Mass.

LOECHNER & CO.

JAPANESE LILIES
LILY OF THE VALLEY PIPS
PALMS, AZALEAS, &c.

11 Warren Street, New York, N. Y.

Write for quotations

SELL YOUR PLANTS QUICK.

HORTICULTURE'S Special Holiday Trade Number is the best salesman for you. Send copy soon as possible.

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Landscape Architect and Forester

1 Montgomery St., JERSEY CITY, N. J.

Tree Renovation by Expert Operators. Stereopticon lectures on Horticulture and Arboriculture.

Box Trees

and other EVERGREENS for Tubs and Boxes

Our Prices are Always Right—Catalog Free

THE NEW ENGLAND NURSERIES, Inc.
BEDFORD, MASS.

DIRECT IMPORTATIONS

Bay Trees, Kentias, Azaleas, Valley Pips, Roses, Rhododendrons, Boxwood, Manetti, Evergreens, Jap. Lilies, Raffia, etc., etc.

Nursery stock from France, Holland, England and Japan.

McHutchison & Co. 17 Murray St. New York, N. Y.

HOLLAND NURSERIES

Best Hardy Rhododendrons, Azaleas, Conifers, Clematis, H. P. Roses, Shrubs, and Herbaceous Plants.

P. OIJWERKERK. 216 Jans St., Weehawken Hgts. P. O. No. 1 Hoboken, N. J.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.

THANKSGIVING ROSES

Everybody wants Roses for Thanksgiving. We have a full crop on for that occasion and can supply first-class fresh stock that will give satisfaction. We have in quantity the following recently introduced varieties:

CARDINAL, MRS. AARON WARD, DARK PINK KILLARNEY, TAFT

Also My Maryland, Richmond, Killarney White and Pink, Perle, etc. Chrysanthemums, Lily of the Valley, Lilies, Violets, Carnations, and a full line of Greens.

Send for Price List. Lowest Boston Market Rates will prevail.

N. F. McCARTHY & CO.
84 Hawley Street, Boston

ST. LOUIS NOTES.

Grimm & Gorly had a flower show last week, having bought all the plants of the late flower show which attracted a great many people to their Washington avenue store.

Mrs. M. Fleshman will open the flower store in the Planters' Hotel on Monday, November 21. This is the old stand of the Riessen Floral Co., who used it as a branch store until a few years ago.

The new stores opened in the West End recently—H. Young & Son, Sanders' Nursery and C. Young & Sons—say that business has been good with them since their opening. All make attractive displays.

"Billy" Smith, who was badly hurt by an automobile which ran into his buggy recently, is out again and none the worse from the smash-up, but the week's confinement at home was not to his liking as he missed seeing all his friends during the flower show week.

Secretary Beneke of the Florist Club says that the officers of the club are at work to make the last meeting in the year, December 12th, an interesting one and that the trustees have something in store for the members that will make the meeting an interesting one with the usual good smoke during the session.

The annual Chrysanthemum Show of the Missouri Botanical Garden did not take place as advertised. The exhibition was all ready in a large tent for the opening on Monday, November 13, when a big rain and wind storm came along on Saturday night which wrecked the tent and plants, and the big drop in the weather well-nigh froze all the plants. The man-

agement say that the entire 500 varieties are a total loss. The public were much disappointed in not being able to view this annual free exhibition.

PHILADELPHIA NOTES.

Arthur Zirkman, of M. Rice & Co., is spending a few days in the house between trips and Robt. Shock of the same house has again taken to the road.

An illustrated lecture will be given in Horticultural Hall, Dec. 7th, at 3.30 P. M. by Thomas H. Mawson, lecturer at the University of Liverpool, England:—"Gardens which were builded and gardens which were planted;" for the benefit of the Pennsylvania School of Horticulture for Women. Tickets \$1.00 each may be had of Mrs. J. Willis Martin, 1721 Locust St.

Visitors: Edmund J. Welch, Welch Bros., Boston, Mass.; Charles Loechner, N. Y. City; J. A. Brown, Coatesville, Pa.; Arthur J. Deal, W. W. Johnson & Son, Boston, England; W. F. Fancourt, Doylestown, Pa.; Wm. J. Halliday, Baltimore, Md.; John S. Ratcliffe, Richmond, Va.

IN THE SWIM

*I must be in the swim,
You might forget my name,
And say that I am to blame,
If you do not get the best.*

Christmas Trees, Spruce or Balsam, from one foot to thirty, in any quantity; Baled Spruce, Balsam, Hemlock Boughs, Laurel and Evergreen Festooning and Wreaths. Sphagnum Moss, Hardy Cut Fancy and Dagger Ferns. Yearly Contracts Made. Send for Price List and order your Christmas Trees now. **GET THE BEST.**

H. J. SMITH, Hinsdale, Mass.

FLORISTS'

HARDY SUPPLIES

Dagger and Fancy Ferns, Moss,
Galax, Laurel Roping, Southern
Smilax, Boxwood, Etc.

Hartford & McDonough
70 PEMBERTON SQ., BOSTON

MISTLETOE

Well and full berried, foliage good and bright.

5 lb. box, \$2.00; 10 lb. box, \$3.50;
20 lb. basket, \$6.00.

Cash with order. We prepay express and guarantee stock reaches you fresh and in good condition.

A. B. Silliman & Co.
Boone, Ia.

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Simple methods of correct accounting especially adapted for florists' use.

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W. J. ELLIOTT
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TO SECURE WHAT YOU WANT

at the ELLIOTT AUCTION CO.,
42 Vesey Street, New York, on

FRIDAY, DEC. 1st, at 11 A. M.

at which time we will offer a Choice Collection of
Conifers, Rhododendrons, Roses, Magnolias, Bulbs,
Etc., Etc.

WASHINGTON NOTES.

F. H. Kramer has been elected a member of the board of directors of the Provident Savings Bank.

R. J. Irwin, of New York, called on the local trade last week. Mr. Irwin reports business to be very good with him.

Mayberry & Hoover have just completed the repainting of the front of their store at 1339 Fourteenth street, N. W., and other improvements to the interior in preparation for the season's business.

Edward Bowers of the local branch of the S. S. Pennock-Meehan Co., is receiving the congratulations of his many friends. The cause of all the happiness in this case is the young lady who last week became the bride of Mr. Bowers.

Edward Mangum will continue as head gardener and in charge of the greenhouses of the Gallaudet College. Heretofore, Mr. Mangum had charge also of the large farm connected with the college but this latter will be looked after by Harley D. Drake.

The Department of Agriculture has opened five co-operating seed-testing stations in connection with the local laboratory, in California, Oregon, Louisiana, Indiana and Missouri. Arrangements have been made to have seed samples tested for purity and for germination. The department will make not more than five tests for any one individual or organization in any one month; this in order to give all a chance of availing themselves of the service.

Miss Marie Gude, daughter of Mr. and Mrs. Adolphus Gude, of Good Hope Road, Anacostia, D. C., last week became the bride of Mr. Charles Burton DeShields of this city. The ceremony was performed in the New York Avenue Presbyterian Church, and the florists of Washington turned out en masse. The church was beautifully decorated with pink chrysanthemums, smilax, palms, ferns and autumn leaves. The balconies were covered with smilax and twig baskets containing chrysanthemums. At the entrance to every pew was a standard of white chrysanthemums and autumn leaves and the chancel was banked with these and palms and ferns. Miss Esther Gude, a sister of the bride, was one

of the bridesmaids; Adolphus, Jr., a brother, one of the ushers; and little Miss Louise Gude, a cousin of the bride, proved a very charming flower girl.
C. L. LINZ.

PERSONAL.

Julius Roehrs, Sr., of Rutherford, N. J., is on the sick list.

Miss Claire Murphy, of Cincinnati, who was recently operated upon for appendicitis, is reported as convalescing nicely.

Edward P. Aylward, florist, was married on November 12th to Miss Margaret Lynch of Woburn, Mass. They will make their home in Woburn.

Henri Beaulieu of Woodhaven, N. Y., who is now in Paris, writes us concerning the scarcity of seeds in Europe. Under date of Nov. 11, he writes that there had been no frost up to that date and annuals were blooming profusely in the gardens. Seed crops, however, he says, are demoralized and prices fluctuate from day to day. He expresses the hope that American growers will in the near future raise their own seeds.

Boston visitors: C. B. Knickman, representing McHutchison & Co., New York; Geo. Strange, representing S. S. Skidelsky & Co., Philadelphia.

NEWS NOTES.

Valley City, N. D.—R. W. Moore is now in partnership with his brother, Charles E. Moore, proprietor of the Valley City Greenhouses.

Freeport, Ill.—A large water tank collapsed on November 6th at the greenhouses of John Brauscher, Jr., doing damage estimated at about \$2,500.

Brookline, Mass.—James J. McElroy of Dover, N. H., formerly gardener for Thomas W. Lawson at Dreamworld, will resume his business of florist and gardener here.

LATE DUG FORMOSUM

Fine Large Bulbs Thoroughly Ripened

	Per 100	Per 1000
7-9 in. (250 bulbs to case)	\$7.50	\$65.00
9-10 in. (200 " ")	\$11.00	\$100.00

A. HENDERSON & CO.
30 E. RANDOLPH ST., CHICAGO

Horseshoe Brand Bulbs for immediate shipment

FORMOSUM

6/7	\$10.00	per case.....	350	bulbs
6/8	15.00	" "	370	"
7/9	18.00	" "	300	"

GIGANTEUM

6/8	\$20.00	per case.....	400	bulbs
7/8	21.00	" "	350	"
7/9	22.50	" "	300	"
8/10	25.00	" "	250	"
9/10	24.00	" "	200	"
10/11	22.50	" "	150	"
11/12	22.00	" "	130	"

ALL f. o. b. NEW YORK

Terms 3 months or 5% for cash with order. Cold Storage deliveries at any time during the season.

Fall deliveries of advance orders for Japan Lily Bulbs can be made f. o. b. New York, Pittsburg, Chicago, Cincinnati, Memphis and Toronto, or any other city, in lots of 250 cases, upwards.

Write us



Not How Cheap
But How Good

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NEW YORK CITY

Headquarters for

FALL BULBS

Send for Trade List

John Lewis Childs

Flowerfield - LONG ISLAND, N.Y.

Gladioli, Lilies, Iris, Madeira
Vines, Cinnamon Vines

and other Summer Flowering Bulbs

Send for price list

E. S. MILLER

Wading River, N. Y.

HEADQUARTERS FOR CHRISTMAS GREENS

Special Selected Grades for Florists.

HOLLY — MISTLETOE — LYCOPODIUM

WREATHS — Laurel, holly and lycopodium.

ROPING — Laurel and lycopodium.

MOSS — Green lump and sheet.

And all other specialties for the Holidays.
Special circular with prices mailed to all.

HENRY F. MICHELL CO. 518 MARKET STREET, PHILA., PA.



Seed Trade

Pea and Bean Percentages.

The growers of peas and beans are sending out their final estimates of deliveries on the 1911 crop. They certainly are most disappointing—not only on peas, but beans; the latter item has fallen down very greatly during the past five or six weeks, heavy damage having been done the crop by too much and long continued rains in the district where these beans are grown. We understand that the bean crop of New York state is in pretty fair shape and that very fair deliveries will be made by those who are growing their beans there; but the percentage, as compared to the total, is not very large, consequently there appears to be a strong tone to bean prices, and the probabilities are that notwithstanding considerable quantities carried from last year, there will be an active demand for all the desirable seed in the country. Percentages on beans have fallen from 25 to 50 per cent below what was thought probable in September; but while this is considerable of a loss to the growers, it will not prove an unmixed evil to the seedsmen, who, as stated, are carrying in most cases more or less beans from last year.

Carrots, Mangels and Garden Beets.

Conditions affecting carrots are even worse than we feared until within the last few weeks, as some of the larger jobbers will not deliver anything whatever on orders booked for the different varieties of carrot seed this year. About the same condition rules with reference to mangels, and several of the more fancy varieties of garden beets. It is rather surprising to see the word "failure" opposite the names of such a large number of varieties. Never has the oldest seedsmen in the business seen a season like this. Let us hope none will see its like again, although the great scarcity of roots, raised this year, indicates that seed of these varieties will be very high and scarce in 1912.

Strenuous Outlook for 1912.

We are informed that the leading seedman, grower of peas and beans

has decided to sell a considerable portion of their seed stock and accept no contracts for the 1912 crop. In view of our recent experience, we hesitate to name the concern, for fear they may experience a change of heart and call us to account. However, we believe the information to be authentic and it simply means the withdrawal of a good many thousands of bushels of high-grade seed stocks from an already insufficient supply. It will be well to warn all interested parties not to delay placing their orders for the 1912 crop, as the tardy ones are likely to be left, as they were a year ago in a few instances, although the conditions are much more serious this year.

From such information as we can get after a pretty thorough investigation it would seem that prices should be a secondary consideration with seedsmen. The main question is to get your order booked with a responsible concern and this applies especially to peas and beans. Any price named now will probably look low next fall.

Destructive Temperatures in Colorado, Kansas and Oklahoma.

Editor HORTICULTURE:

Dear Sir:—We have just received advice from Rocky Ford, Colo., stating they had another severe snow storm and the thermometer dropped to 16 degrees below zero on the 11th inst.

The most of our crops have been harvested, but there are a few still in the pits which were covered and protected. We are afraid, however, that the severe cold may affect the germination of some of the cucumber crops in that vicinity, also in the vicinity of Ordway, and that it will also affect the germinating vitality of the late crops of watermelon in Kansas and Oklahoma and the crops of pumpkin and squash in Nebraska that had not been seeded prior to the cold weather and which may make considerable difference in the percentages of the deliveries for some of the varieties of vine seeds. Yours truly,

WESTERN SEED & IRRIGATION CO.

Per Wm. Emerson, Manager.

INCORPORATED.

Cincinnati, Ohio—American Horticulturist Co., to publish a horticultural journal, capital stock \$25,000. Incorporators, E. M. Shurburne, E. D. Salisbury, W. E. Roby.

San Antonio, Texas—The Monarch Plantation Co., capital stock \$10,000. To do a general seed and nursery business. Incorporators, E. R. Smart, M. B. Graham and Wm. L. Corey.

NEWS NOTES.

Cleveland, Ohio—F. C. Pinyoun & Son, manufacturers of portable garages, is branching out into the manufacture of portable greenhouses.

Westminster, Vt.—The Connecticut Valley Orchard Co., recently incorporated, state that their capital stock of \$10,000 will later be increased to \$100,000 and that they will do a business in fruit, live stock, fertilizers and real estate. They now have fifty acres of land, but will eventually have five hundred more. Greenhouses will be built later. George A. Dascomb is president and E. G. Tuthill, superintendent.

FRENCH VEGETABLE SEEDS

Lettuce, Imported Big Boston; Forcing Lettuce (black seeded); Radish, Scarlet Globe, White Tipped Scarlet Turnip; Beet, Crosby; Cabbage, Early Flat and Savoy; Celery, Self-Blanching and Green; Beet, Spinach, Endive, etc., the same varieties as the market gardeners of Paris use.

BEAULIEU, Woodhaven, N. Y.

100,000

FORCING TOMATO PLANTS

in 2½ inch pots at \$20.00 per M in the following varieties: Comet, Sutton's, Winter Beauty, Sutton's Best Of All, Sutton's Abundance, Sutton's A 1.
Cabbage and Lettuce Plants in unlimited quantities and best market varieties.

FOX HALL FARM, NORFOLK, VA.

ONION SETS

HEADQUARTERS FOR THE EAST.
We carry large stocks of choice quality at both our Orange, Conn., and New York City houses. Full line all varieties of Garden and Flower Seeds. Trade List on application.

S. D. WOODRUFF & SONS,
82 Dey Street,
Orange, Conn. New York City.

KENTUCKY BLUE GRASS

Fancy New Crop

\$3.00 bu.

December Shipment

This special price
for a SHORT TIME
ONLY. Samples
sent on request.

J. BOLGIANO & SON

Wholesale Seedsmen

Baltimore, Md.

Farquhar's Flower Seeds for The Florist

Write for our Wholesale
Catalogue

R. & J. FARQUHAR & CO.
Boston, Mass.

Established 1820

**Thorburn's
Bulbs**

We offer high grade stock of the following
while unsold:

LILIUM HARRISII, 7-9 inches in circum.
at \$17.00 per case of 250 bulbs.
WHITE ROMAN HYACINTHS, 12-15
cms., at \$18.00 per 1000.
PAPER WHITE GRANDIFLORUS NAR-
CISSUS, at \$8.00 per 1000.

Cash with order.

Only a limited supply left so speak
quickly.

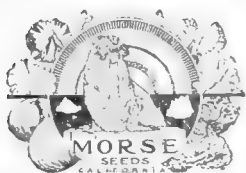
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NEW YORK

PEAS, BEANS, RADISH } Write for Prices
and all Garden Seeds }

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226-230 W. KINZIE STREET, CHICAGO

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Wholesale Growers of

Onion, Lettuce, Sweet Peas
and other California Specialties

C. C. MORSE & CO.

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SAN FRANCISCO, CAL.

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

CANE STAKES

AMERICAN, bundle 500, \$3.00; 1000,
\$5.50.

BAMBOO from Japan, 100, 65c.; 1000,
\$5.50.

The W. W. Barnard Co.

108-110 W. Kinzie St., CHICAGO

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed
only to those who plant for profit.

SEEDS, PLANTS, BULBS

All seasonable kinds of best
quality

Special prices on large lots

JAMES VICK'S SONS,
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COMPLETE STOCK FRENCH AND DUTCH BULBS

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

CHOICE BULBS

In great variety for present
planting—in-doors and out

THOMAS J. GREY CO.
32 South Market Street, Boston, Mass.

FRESH CROP ASPARAGUS PLUMOSUS NANUS SEED

(Greenhouse grown.) Due in December. We are
now booking orders for both green and white
grown Asparagus Plumosus Seed. Write us.

S. S. SKIDELSKY & CO.
1215 Betz Bldg. Philadelphia.



...THE...

J. C. Robinson Seed Co.
Waterloo, Neb.

Contract growers of Cucumber, Can-
taloupe, Watermelon, Squash and
Pumpkin Seed; Sugar, Flint and Field
Seed Corns.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

**SAN JOSE, CALIF.
TOMATO SEED.**

BEST STOCKS. ALL VARIETIES.

Surplus List now ready.

Contract Offer for 1912 ready Dec. 1st.

The Haven Seed Co.
Growers for Wholesale Trade Only.
SANTA ANA, CALIFORNIA.

COLDWELL LAWN MOWERS

Hand—Horse—Motor

Known All Over the World
Catalogue on Request.

NEWBURGH, N. Y.

PRINTING Fruitmen, Horticultur-
ists and Poultrymen
should get their print-
ing done by specialists. Write for prices
to THE REX CO., Harrisburg, Pa.

Florists' Telegraph Delivery

(Retailers' Section—S. A. F. & O. H.)

Material discounts, 20 per cent.

Provision for guaranteed accounts.

Write for particulars to

IRWIN BERTERMANN, Secretary, 241 Massachusetts Ave., Indianapolis, Ind.

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

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We ship to all points in Illinois and Iowa.

Phones: Aldine 880. Aldine 881. Aldine 882.

SAMUEL MURRAY Kansas City, Mo. 913 Grand Ave.

Member of the Florists' Telegraph Delivery
All Orders Given Prompt and Careful Attention



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D. C.

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The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for any occasion, in any part of the Dominion.

JOHN H. DUNLOP
96 Yonge St., - - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE
Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas City and any town in Missouri or Kansas.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.

Members Florists' Telegraph Assn.

Of Interest to Retail Florists

Chicago, Ill.—Mrs. A. Lieberman, florist, is now at 3603 Armitage avenue.

Portland, Ore.—On November 1 the Heilig Flower Shop discontinued business.

Chicago, Ill.—Arthur Eichel has purchased the florist business of August Koeble, 4228 North 40th street.

Albany, N. Y.—Whittle Bros., 10 North Pearl street, have obtained a long lease of the store, 52 North Pearl street.

Providence, R. I.—Henry Patry is now manager of "The Flower Store," 82 Westminster street, recently opened by O. L. Hughes.

Providence, R. I.—O. C. Hughes has opened a new retail store on lower Westminster street, a location well adapted for the business. Henry Patry is manager of the store.

STEAMER DEPARTURES

American.

St. Louis, N. Y.-Shampton...Dec. 2

Atlantic Transport.

Minneapolis, N. Y.-London...Dec. 2

Cunard.

Lusitania, N. Y.-Liverpool...Nov. 29

Ultonia, Boston-Liverpool...Nov. 30

Ivernia, N. Y.-Medit'r'n...Nov. 30

Holland-America.

Ryndam, N. Y.-Rotterdam...Nov. 28

Potsdam, N. Y.-Rotterdam...Dec. 5

Leyland.

Dexouian, Boston-Liverpool...Dec. 2

North German Lloyd.

K's'r W. der G., N.Y.-Br'm'n...Nov. 28

F'd'r'ch der G., N.Y.-Bremen...Nov. 30

Red Star.

Finland, N. Y.-Antwerp...Dec. 2

White Star.

Cymric, Boston-Liverpool...Nov. 28

Adriatic, N. Y.-Liverpool...Nov. 30

Olympic, N. Y.-Shampton...Dec. 2

NEW FLOWER STORES.

Chicago, Ill.—A. Monblatt, Sherman House.

Detroit, Mich.—B. Schroeter, 56 Broadway.

Denver, Colo.—Thomas McDonald, Welton street.

Toronto, Ont., Can.—C. Bennett, Yonge street.

Chelsea, Mass.—Smalley, the Florist, 406 Broadway.

Tacoma, Wash.—F. C. Smith, Tacoma Building.

Providence, R. I.—T. H. McAndrews, 1511 Broad street.

Dedham, Mass.—Adam Kopanus, 288 Greenleaf Building.

Woonsocket, R. I.—Miss Ella Mailoux, 99 Main street.

St. Louis, Mo.—C. Young & Sons, 5504 Waterman avenue, branch store.

Troy, N. Y.—Collar City Flower Store, 464 Fulton street. H. L. Menand, Jr., proprietor.

J. A. VALENTINE, Denver, President.
W. J. PALMER, Buffalo, Vice-President.
W. L. ROCK, Kansas City, Treasurer.

OTHER DIRECTORS:

Ernest Wienhoeber, Philip Breitmeyer,
A. B. Cartledge, W. F. Gude, George Asmus,
Fred H. Meinhardt.

ALEX. McCONNELL

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NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

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Deliver orders from any part of the country to

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Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph and Cable address, Dardapier

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42 West 28 St., NEW YORK

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Flower Deliveries

In Brooklyn and other Long Island Points, New York City, New Jersey, etc. At Theatres, Hotels, Steamers or Residences.

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Fulton St. and Greene Ave., Brooklyn, N.Y.

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Special Deliveries Niagara Falls and Lockport

THE ROSERY

76 MAIDEN LANE

ALBANY, N. Y.

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ALBANY, N. Y.

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Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

LOUISVILLE, KY.

JACOB SCHULZ.

550 South Fourth Ave.

CHICAGO NOTES.

The report of the Chicago Fire Commission has indirectly brought to light the plans to tear down some of the down-town buildings in the early spring. Among those named in the newspapers is the Atlas Block, the stronghold of the wholesale florists, not less than ten having quarters there. The matter may be tided over as it was two years ago, however, though that corner, Randolph street and Wabash avenue, has long been regarded as too valuable for a six-story building and the event cannot be far in the future at any rate. An effort to bring about concerted action among the wholesale florists last spring, that should assure them a suitable building that would be a permanent home was attempted, but did not succeed.

One of the changes of the week is that of the acceptance of a place in the Chicago Flower Growers' Association by Chas. Erne, one of the best and most favorably known men in the wholesale trade.

The salesmen for the E. H. Hunt Co. are in and leave again at once for another trip. They report business as brisk and a good outlook for the holiday season.

Personal.

Edward Hauswirth has entered the employ of Harry Rowe.

Mrs. L. H. Winterson, who has been very ill, has partially recovered and been brought home from the hospital.

Miss Gertrude Wallace of the Chicago Flower Growers' Association office force is recovering from a severe illness.

Ira Zalinger, from California, has come to Chicago to join his brother, Ben, in the florist business. So far they are filling orders from the home at 4922 Vincennes avenue, but expect to open a store in the near future.

Visitors: Among the florists who have attended the flower shows in the Middle West and stopped in Chicago the past week are: John Breitmeyer, son of Fred Breitmeyer, Mt. Clemens, Mich.; Herman Klagge, Mt. Clemens,

Mich.; Chas. H. Totty, Madison, N. J.; Wm. Duckham, Madison, N. J.; R. Vincent, Jr., Whitmarsh, Md.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Lyres, 11 N. Pearl St.
Albany, N. Y.—The Rosery, 76 Menden Lane.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edw. MacMulkin, 194 Boylston St.
Boston—Penn. the Florist, 37-43 Bromfield St.
Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's 304 Main St.
Buffalo, N. Y.—S. A. Anderson, 440 Main St.
Chicago—Williams J. Smyth, Michigan Ave. and 31st St.
Denver, Col.—Park Floral Co., 1643 B'way.
Detroit, Mich.—J. Breitmeyer's Sons.
Miami and Gratlot Aves.
Kansas City, Mo.—Samuel Murray, 912 Grand Ave.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Indianapolis, Ind.—Florists' Telegraph Deliveries.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 611 5th Ave.
New York—Young & Nugent, 42 W. 28th.
New York—Dards, N. E. cor. 44th St. and Madison Ave.
St. Paul, Minn.—Holm & Olson.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.
Washington, D. C.—Gude Bros., 1214 F St.
Wellesley, Mass.—Talby.
Worcester, Mass.—Littlefield, 407-409 Main St.
Worcester, Mass.—H. F. A. Lange.

NEWS NOTES.

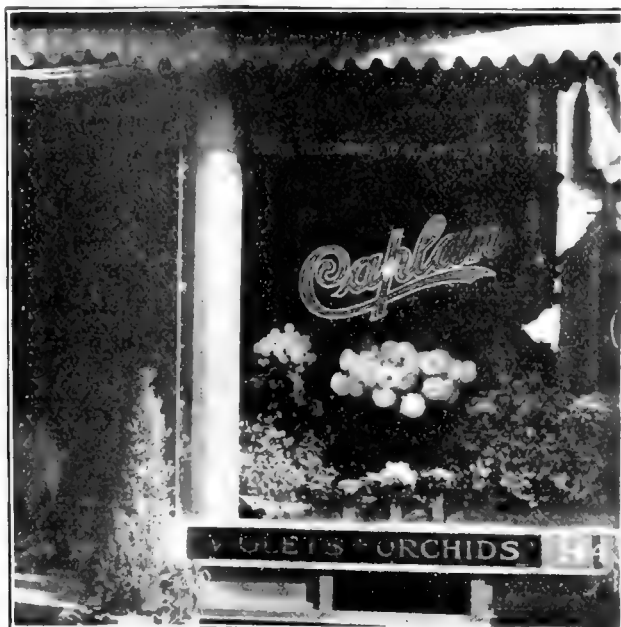
Sturgis, Mich.—A. Richter is succeeded by John W. Vogt as proprietor of the Sturgis Greenhouses.

Erie, Pa.—The Glenwood Greenhouses, formerly owned by E. C. Hill, have been rented by Ora Hill.

Ilion, N. Y.—The Gordon Greenhouses, Gordon place, was recently destroyed by fire. Loss, \$2,000; insurance, \$1,500.

Collingswood, Camden, N. J.—During a violent storm on November 12 one greenhouse of Charles W. M. Sommer, 614 Vanhook street, was blown down and his stock of plants frozen.

CAPLAN'S NEW FLOWER STORE IN BOSTON.



BOSTON, MASS.

Penn. the Florist

"Penn. the Telegraph Florist"
37-43 BROMFIELD STREET

NEW ENGLAND
FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points to

THOS. F. GALVIN
124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your retail orders to

EDWARD MACMULKIN
194 Boylston Street, Boston

Telegraph Your Orders to

CAPLAN, Florist

144 Massachusetts Ave.
BOSTON, MASS.

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WORCESTER, - MASS.

Delivers to all Points in New England.
125,000 square feet of glass

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Worcester, Mass.

"THE HOME OF FLOWERS"

The largest cut flower store in America. Orders for the TWIN CITIES and for all Northwestern points given prompt attention.

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

Florists' Refrigerators

Write us for catalogue and prices, stating size you require, and for what kind of material you wish to use the refrigerator. Also state whether you want it for display or only for storage.

McCray Refrigerator Co.,
353 Lake Street, Kendallville, Ind.

Mention Horticulture when you write.

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall
Schools. TALBY, Wellesley, Mass.
Tel. Wellesley 44-1 and 2 Night 44-3

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The best in price, in quality; fine large buds, good foliage.

BOUARDIA AND WHITE LILAC

You should include some of them in your Thanksgiving order. We have both pink and red Bouvardia; the best supply in the market.

The Leo Niessen Co.

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USE BY THE

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N. F. McCarthy, Mgr.

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BOSTON

Inscriptions, Emblems, etc. Always in Stock.

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AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	BOSTON Nov. 23	CHICAGO Nov. 21	ST. LOUIS Nov. 21	PHILA. Nov. 21
Ara. Beauty, Fancy and Special..	30.00 to 40.00	35.00 to 40.00	40.00 to 50.00	25.00 to 35.00
Extra.....	15.00 to 25.00	25.00 to 35.00	20.00 to 25.00	15.00 to 20.00
No. 1.....	6.00 to 12.00	20.00 to 25.00	10.00 to 15.00	8.00 to 12.50
Lower grades.....	4.00 to 5.00	10.00 to 20.00	6.00 to 8.00	3.00 to 6.00
Richmond Chateaux, Fancy & Spl..	3.00 to 10.00	6.00 to 8.00	6.00 to 8.00	5.00 to 8.00
Lower grades.....	2.00 to 3.00	3.00 to 5.00	3.00 to 4.00	2.00 to 4.00
Killarney, Maryland, Fan. & Spl..	4.00 to 10.00	6.00 to 10.00	6.00 to 8.00	5.00 to 8.00
Lower grades.....	2.00 to 3.00	3.00 to 5.00	3.00 to 4.00	2.00 to 4.00
Bride, Maid.....	2.00 to 8.00	3.00 to 8.00	4.00 to 5.00	2.00 to 6.00
Taft, Hillington.....	6.00 to 12.00	..... to .....	..... to	6.00 to 15.00
CARNATIONS, First Quality..	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 4.00
Ordinary.....	1.00 to 2.00	1.50 to 2.00	1.00 to 1.50	1.00 to 1.50

MISCELLANEOUS

Cattleyas.....	35.00 to 50.00	35.00 to 50.00	40.00 to 50.00	50.00 to 75.00
Lilies, Longiflorum.....	6.00 to 8.00	8.00 to 10.00	10.00 to 12.50	6.00 to 10.00
Lily of the Valley.....	2.00 to 4.00	3.00 to 5.00	3.00 to 4.00	2.00 to 4.00
Narciss., Paper White.....	1.50 to 2.00	.75 to 1.00	..... to .....	..... to
Chrysanthemums.....	8.00 to 16.00	5.00 to 30.00	15.00 to 25.00	5.00 to 15.00
Violets.....	.75 to 1.00	.75 to 1.00	.35 to .60	.25 to 1.50
Mignonette.....	..... to 1.00	2.50 to .....	..... to .....	..... to
Sweet Peas.....	.50 to .75	.75 to 1.00	..... to .....	.35 to .75
Gardenias.....	12.00 to 25.00	35.00 to 50.00	..... to	16.00 to 33.00
Adiantum.....	1.00 to 1.25	..... to 1.00	1.00 to 1.25	..... to 1.00
Smilax.....	12.00 to 15.00	12.00 to 15.00	12.50 to 15.00	15.00 to 20.00
Asparagus Plumosus, strings (100).....	..... to 50.00	50.00 to 75.00	35.00 to 50.00	40.00 to 50.00
" & Siren (100 bchs).....	25.00 to 50.00	25.00 to 50.00	17.00 to 25.00	35.00 to 50.00

J.A. BUDLONG

82-84-86 E. Randolph St., Chicago

OUR STOCK IS A-1 AND IT IS QUALITY NOT PRICES THAT TALKS

Chicago Flower Growers' Association

Wholesale Growers of Cut Flowers and Plants

176 N. MICHIGAN AVE., BETWEEN RANDOLPH AND LAKE STREETS, CHICAGO

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Everything in Flowers
Complete Stock of Florists' Greens,
Three Floors of Florists' Supplies.

Wired Toothpicks

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CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

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FLORIST

24 Stone St., Rochester, N.Y.

The J. M. McCullough's Sons Co.

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CONSIGNMENTS SOLICITED

Special attention to shipping orders. Jobbers of Florists' Supplies, Seeds and Bulbs. Price list on application.

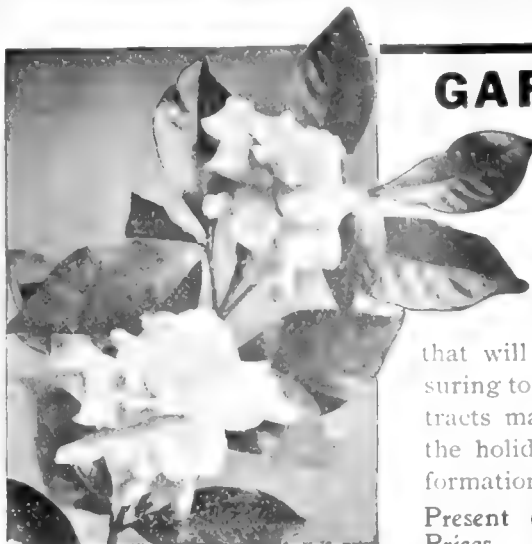
Phone Main 584. 316 Walnut St., Cincinnati

Flower Market Reports

BOSTON After four weeks in the wilderness the Boston cut flower trade is still unsettled and forlorn, although Thanksgiving Day is only one week away. The wholesale marts are crowded with stock, and the local demand is so light that much material is held over from day to day unsold. Chrysanthemums are in as heavy supply as they were last week. Roses are abundant, but quality has advanced, and there is a disposition to stand for higher prices. The novelties are holding their own and are really the salvation of the rose market. Carnations are in full supply and light demand. Orchids are slow to move locally but the shipping trade is helping them as it also is the rose market. Violets are one bright spot in the situation; they are, like Johnnie Walker, "going strong" this week. Paper white narcissi are in quite plentifully, but for what purpose nobody knows. Already they are among the laggards and are teaching their own lesson to the indiscreet grower who imagines that the earlier he can hustle them into bloom the more famous he will be. But how about his pocket book? There are quite a few callas in but with lilies so abundant as they are the calla has to be patient.

The past week began in **BUFFALO** wintry style, and the temperature fell forty degrees, while on the Saturday previous, the ideal Indian Summer day, the thermometer had read sixty-two. The cold weather has caused stock to shorten in supply, especially roses and carnations, but chrysanthemums continued plentiful. There was a good quantity of Bonaffon, Maud Dean, Dr. Enguehard and others. The choice quality moved at satisfactory prices. There were quite a number of bunches and sprays, also pompons in varied colors. Lilies, violets, lily of the valley and peas are plentiful, but Beauty and Richmond roses are scarce. Smilax and greens are in good supply and quite active. Considering the bad weather last Saturday a fairly good clean-up was made.

A marked shortage in the supply of American Beauty roses is a feature of the market conditions at this time. Fancy stock has been billed out as high as \$6.00 per dozen during the past week and the shortage prevails down to the lowest grades caused by all the growers in this vicinity having their stock off crop at the same time. Chrysanthemums are shortening in supply, especially in fancy white. It has been an unusual season in several respects and the chrysanthemum crop has varied accordingly, some of the largest growers being practically through cutting now. Violets, both home-grown and from the East have met with fair sales since the colder weather, and lily of the valley has brought a higher price for fancy than is often quoted. A limited supply of paper white narcissi is in to give variety to stock, and rather more lilies than needed to supply the demand are now on the counters. Carnations of large size and long stems fill all the florists' wants in that direction, while sweet peas are each week becoming more in evidence. Daisies are to be had and are usually on short stems.



GARDENIAS

With a very much better quality and a more liberal supply we are able to take care of our Gardenia customers in a way that will satisfy them, thus insuring to us future orders. Contracts made from now till after the holidays. Write us for information.

Present Prices **\$3 and \$4** Per Dozen

Distributing Agents for the new Roses for 1912.

Double White Killarney and Killarney Queen

(THE BUDLONG STRAIN)

Grafted, \$250.00 per 1,000.

Own Root, \$200.00 per 1,000.

RIBBONS and SUPPLIES

Many new patterns in exclusive ribbons. Write us for prices on these and on our supplies.

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109 W. 28th Street

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1212 New York Ave.

WHOLESALE FLOWER MARKETS.—TRADE PRICES—Per 100 TO DEALERS ONLY

	CINCINNATI Nov. 7		DETROIT Nov. 7		BUFFALO Nov. 21		PITTSBURG Nov. 21	
ROSES								
Am. Beauty, Fan. and Sp.	25.00	to 30.00	20.00	to 25.00	10.00	to 15.00	15.00	to 20.00
" Extra	20.00	to 25.00	18.00	to 20.00	10.00	to 12.00	15.00	to 20.00
" No. 1	15.00	to 20.00	12.00	to 18.00	10.00	to 12.00	15.00	to 20.00
" Lower grades	8.00	to 12.00	1.00	to 10.00	3.00	to 5.00	5.00	to 10.00
Richmond, Chateauf, Fan. & Spl.	6.00	to 8.00	0.00	to 8.00	7.00	to 8.00	6.00	to 8.00
" Lower Grades	3.00	to 6.00	4.00	to 6.00	4.00	to 6.00	2.00	to 4.00
Killarney, Maryland, Fan. & Spl.	6.00	to 8.00	0.00	to 8.00	4.00	to 8.00	6.00	to 8.00
" Low Grades	3.00	to 6.00	1.00	to 6.00	4.00	to 6.00	4.00	to 6.00
Bride 'Maid	3.00	to 6.00	1.00	to 8.00	3.00	to 7.00	2.00	to 4.00
Taft, Hillingdon	3.00	to 6.00	1.00	to 8.00	5.00	to 8.00	2.00	to 4.00
CARNATIONS, First Quality	1.50	to 3.00	3.00	to 4.00	2.00	to 2.50	1.50	to 3.00
Ordinary	1.50	to 2.00	2.00	to 3.00	1.50	to 2.00	1.00	to 1.50
MISCELLANEOUS								
Cattleyas	10.00	to 25.00	10.00	to 15.00	10.00	to 12.00	10.00	to 12.00
Lilies, Longiflorum	10.00	to 12.50	10.00	to 15.00	10.00	to 12.00	10.00	to 12.00
Lily of the Valley	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Narcis., Paper White	4.00	to 25.00	4.00	to 25.00	6.00	to 25.00	8.00	to 25.00
Chrysanthemums	4.00	to 25.00	4.00	to 25.00	6.00	to 25.00	8.00	to 25.00
Violets	4.00	to 5.00	4.00	to 7.50	4.00	to 7.50	4.00	to 7.50
Mignonette	4.00	to 5.00	4.00	to 7.50	4.00	to 7.50	4.00	to 7.50
Sweet Peas	4.00	to 5.00	4.00	to 7.50	4.00	to 7.50	4.00	to 7.50
Gardenias	4.00	to 5.00	4.00	to 7.50	4.00	to 7.50	4.00	to 7.50
Adiantum	4.00	to 5.00	4.00	to 7.50	4.00	to 7.50	4.00	to 7.50
Smilax	4.00	to 5.00	4.00	to 7.50	4.00	to 7.50	4.00	to 7.50
Asparagus Plumosus, strings (100)	4.00	to 5.00	4.00	to 7.50	4.00	to 7.50	4.00	to 7.50
" & Spreng (100)	4.00	to 5.00	4.00	to 7.50	4.00	to 7.50	4.00	to 7.50

All kinds of roses are plentiful in the best grades, but mediums are being up quickly for funeral work.

Indications point to a very busy Thanksgiving. During the last few weeks, while the market was very large, still there has been no general clearing up everything. The rose market finds pink and red running short of the de-

mand, white more than red. American Beauties selling up easily today. Many more short and mediumed roses are being offered. In chrysanthemums there are offered excellent varieties as Major Bonafon, Bird, Gladys, Dr. Enguehard and Eaton. The carnation supply is increasing and is very good. Practically all offerings in

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Successor to
FORD BROTHERS
121 West 28th Street NEW YORK
FINE ROSES. FANCY CARNATIONS
A Full Line of All CUT FLOWERS.
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Choice Cut Flowers,
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Wholesale Florists
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Telephone 2921 Madison Square Open from 5 a. m. to 6 p. m.

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Preserved and Fresh Cut
Cycas and Palmetto.
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We manufacture all our
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A full line of Choice Cut Flower Stock for all purposes. The HOME OF THE LILY
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Madison Sq. **J. K. ALLEN** NEW YORK

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES AND CARNATIONS
JAMES McMANUS, Tel. 759 Mad. Sq. 55 W. 28th St., New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Nov. 18 1911		First Half of Week beginning Nov. 20 1911	
American Beauty, Fancy and Special.....	40.00	to 50.00	30.00	to 40.00
" " Extra.....	20.00	to 30.00	15.00	to 20.00
" " No. 1.....	10.00	to 15.00	8.00	to 12.00
" " Lower Grades.....	2.00	to 6.00	2.00	to 6.00
Richmond, Chateaux, Extra and Special.....	2.00	to 6.00	2.00	to 6.00
" " Lower Grades.....	1.00	to 2.00	1.00	to 2.00
Killarney, My Maryland, Extra and Special.....	2.00	to 6.00	2.00	to 6.00
" " Lower Grades.....	1.00	to 2.00	1.00	to 2.00
Bride, Maid.....	1.00	to 4.00	1.00	to 4.00
Taft, Hillingdon.....	4.00	to 12.00	4.00	to 12.00
Carnations, First Quality.....	2.00	to 4.00	2.00	to 3.00
" " Ordinary.....	1.00	to 2.00	1.00	to 2.00

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Phone 8346 Madison Square
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136 W. 28th St., New York City

Frank H. Traendly Charles Schenck
TRAENDLY & SCHENCK
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Shipments, any quantity, Whole-
sale Market Rates.

The Man Who Has Tried It IS THE MAN WHO KNOWS

We don't need to explain to him the advantage of a Central Florists' Plant Supply House in these busy days, when selected flowering and foliage stock is assembled for inspection and selection, saving time and expense of railroad trips to visit widely separated growers. *That's where we win.* Packing and shipping facilities unsurpassed. Of blooming plants we have for this week CYCLAMEN of best quality ever seen for Thanksgiving; Ericas; Lorraine Begonias; Camellias. In foliage plants All Palms, etc.; Ivies and Holly Ferns; Table Ferns; Aspidistras; Phoenix Roebeleni (elegant little specimens); Araucarias; Buxus Pyramids; Scotti Ferns; Dracaenas; Oranges.

WOODROW & MARKETOS, Wholesale Plantsmen and Florists
41 WEST 28th ST., NEW YORK



MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

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WILLIAM H. KUEBLER

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WILLIAM F. KASTING Co.

Wholesale Florists

383-387 ELLICOTT ST. - - BUFFALO, N. Y.

Flower Market Reports.

(Continued from page 741)

this line are selling quickly. Lilies move quickly but at only fair prices. Violets, both doubles and singles are good property. Callas have begun to arrive and before long will prove a very welcome addition to the stock on hand. The market in lily of the valley and orchids is easy. New bronze galax are now on hand.

A heavy supply of all grades of flowers made it comparatively easy for retailers to supply their demand. These latter patronized well enough to keep the supply on a safe level, and have made firm prices possible. The football game at Ann Arbor demanded everything in large yellow chrysanthemums in sight. Besides this, young women of the Ann Arbor Y. W. C. A. sold from large boxes standing on the sidewalks which were apparently shipped from Chicago.

Since our last week-ly report there has been a very fluctuating and generally disappointing market. Foot ball games and horse shows had been looked forward to as favoring a spirited demand on certain flowers and justifying a better schedule of wholesale prices and a confident upward movement was generated which at first seemed to present a hopeful outlook but it sagged in the middle and now with a spell of bright sunshine the augmented product is doing its share towards the decline. American Beauty specials climbed to the fifty-cent level for a few days, but have now receded, under the pressure of a freer supply, to forty cents as a maximum. Violets were distinctly disappointing. In a very small percentage of high-grade flowers they

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Nov. 18 1911	First Half of Week beginning Nov. 20 1911
Cattleyas.....	.00 to 60.00	25.00 to 75.00
Dendrobium formosum.....	30.00 to 40.00	30.00 to 40.00
Phalaenopsis.....	20.00 to 25.00	20.00 to 25.00
Lilies, Longiflorum.....	4.00 to 5.00	3.00 to 5.00
Lily of the Valley.....	1.00 to 2.00	1.00 to 2.00
Narcis, Paper White.....	1.00 to 2.00	1.00 to 1.50
Chrysanthemums.....	4.00 to 20.00	4.00 to 20.00
Violets.....	.40 to 1.00	.40 to .75
Mignonette.....	.10 to .20	.10 to .20
Gardenias.....	12.00 to 35.00	12.00 to 35.00
Adiantum.....	.50 to .75	.50 to .75
Smilax.....	6.00 to 8.00	6.00 to 8.00
Asparagus Plumosus, strigis.....	10.00 to 35.00	10.00 to 35.00
" " & Spreng. (100 bchs).....	10.00 to 20.00	10.00 to 20.00

reached the dollar mark, but seventy-five cents was the prevailing maximum, and the demand falling away below the supply, the street fakirs' services were accepted, with the usual result when the combination of violet surplus and street fakirs is presented. All other roses have settled back, more or less, in sympathy. Chrysanthemums vary greatly in results, some bright spots being noted here and there, but the general tone is very drabby. Lilies are again overstocked. Orchids are seen in increasing variety as the season advances, white phalaenopses, Dendrobium formosum and similar things meeting with a fair sale, while cattleyas run all the way from twenty-five to sixty according to size and finish, with an occasional seventy-five cent maximum on something particularly fine. Gardenias are considered low at present selling figures. Carnations are waiting for the chrysanthemums to make their adieu before they make much adoo for themselves.

A typical week. PHILADELPHIA Things going along on an even keel—very much as they have done in previous years at same time.

Of course the standard as to quality is higher. The lad with twenty-five or fifty thousand feet of glass finds it harder and harder to make ends meet in competition with fellows who can work economies with half a million, a million, or two million feet. How the little fellows can work out and show a profit goodness only knows. We are very much afraid they don't, and we are very sorry for it. When James Watt invented the steam engine he had no idea that the same would in short order bring the world's nations closer together—as it has done. When Benjamin Franklin flew his kite in Philadelphia in front of Dooner's Hotel he had no idea that he was going to make a "World Republic." Yet he and James Watt have about done that. The demand last week was

(Continued on page 742)

ROSENS

18 W. 29th Street, New York City

Telephone No. 1757 Mad. Sq.

FLORISTS' SUPPLIES

GALAX, bronze and green, fresh crop. \$100. 1000; \$7.50. 10,000. LUCOTHOE SPRAYS, 15c. 100. GREEN SHEET MOSS, \$2.00 large bag.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one-cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

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R. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

ALTERNANTHERAS.

Chas. H. Totty, Madison, N. J.

AMPELOPSIS

Ampelopsis Veltchii, 1-yr. plants, \$3.00 per 100; \$25.00 per 1000.
Wm. Eschrich Co., North Milwaukee, Wis.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
For page see List of Advertisers.
Godfrey Aschmann, 1012 Ontario St., Philadelphia.
For page see List of Advertisers.

ASPARAGUS

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.
Asparagus Plumosus, extra fine 3-inch stuff, \$5.00 per 100, \$45.00 per 1000. P. Rieth, Downers Grove, Ill.
Asparagus plumosus seedlings, clumps, sprays and seeds. Write for prices. Peter Mack, Orlando, Fla.
Asparagus plumosus, 2 1/4-in. pots, \$3.00 per 100; \$25.00 per 1000. Asparagus Sprengeri, 2-in. pots, \$2.00 per 100; 4-in. pots, heavy, \$10.00 per 100.
Storrs & Harrison Co., Painesville, Ohio.

ANTHERICUM

Anthericum variegatum, strong plants, 3-in., 3c; 5-in., 10c. H. G. Norton, Perry, O.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
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A. Leuthy & Co., Roslindale, Mass.
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Lochner & Co., New York, N. Y.
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BAY TREES

A. Leuthy & Co., Roslindale, Mass.
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Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
Bay Trees and Box Trees, all sizes
Write for special list
Julius Roehrs Co., - - Rutherford, N. J.

BEGONIAS

A. Leuthy & Co., Roslindale, Mass.
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Thomas Roland, Nahant, Mass.
Lorraine Begonias.
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BOILERS

Kroetchell Bros. Co., 466 Erie St., Chicago.
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BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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Julius Roehrs Co., Rutherford, N. J.
Box Trees all sizes. Ask for special list.

BOXES—CUT FLOWER—FOLDING

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

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Joseph Breck & Sons, 47-54 N. Market St., Boston.
French and Dutch Bulbs.
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J. M. Thorburn & Co., 33 Barclay St., N. Y.
Seasonable Bulbs.
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A. T. Boddington, 342 W. 14th St., N. Y.
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Rickards Bros., 37 East 19th St., New York.
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Henry F. Michell Co., Philadelphia, Pa.
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T. J. Grey & Co., 32 and 33 So. Market St., Boston.
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Ralph M. Ward & Co., 12 W. Broadway, New York.
Horseshoe Brand.
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James Vick's Sons, Rochester, N. Y.
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John Lewis Childs, Flowerfield, L. I.
Fall Bulbs.
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The W. W. Barnard Co., Chicago, Ill.
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Fottler, Flske, Rawson Co., Boston, Mass.
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E. S. Miller, Wading River, N. Y.
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A. Henderson & Co., Chicago, Ill.
Late Dug Formosa
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CANE STAKES

W. W. Barnard Co., Chicago, Ill.
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CANNAS.

R. Vincent, Jr. & Sons Co., White Marsh, Md.
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The Improved Canna 64 varieties, including Mrs. A. F. Conard and the finest new ones. Send for price list. The Conard & Jones Co., West Grove, Pa.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
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Chicago Carnation Co., Joliet, Ill.
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Wood Bros., Fishkill, N. Y.
Field Grown Plants.
For page see List of Advertisers.
300 Enchantress, \$5.00 per 100; 200 Windsor, \$4.00 per 100. Field grown, best of stock. Bid on the lot. O. L. Baird, Dixon, Ill.

CARNATION STAPLE

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 2000 for \$1.00 post paid. I. L. Pillsbury, Galesburg, Ill.

CHRISTMAS TREES—BALED SPRUCE

H. J. Smith, Hinsdale, Mass.
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CHRYSANTHEMUMS

Elmer D. Smith, Adrian, Mich.
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R. H. Kidder, Rochester, N. Y.
Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.
Chrysanthemums, rooted cuttings, Monrovia, Polly Rose, \$12.00 per 100. Violets, Princess of Wales, \$6.00 per 100; \$50.00 per 1000. Chas. Lenker, Freeport, L. I., N. Y.

CLEMATIS

Clematis paniculata, 2-yr., \$7.00 per 100; \$60.00 per 1000. H. G. Norton, Perry, O.
Clematis paniculata, 2 and 3-yr.-old; also Henryi, Jackmanii, Andre Romona, Red Jack, Duchess. Special price for fall delivery.
Parks & Schaufelberger, Penfield, N. Y.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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CYCLAMENS

Cyclamen—Best Varieties in different colors, 3 inch pots, strong plants, \$10.00 per 100, \$80.00 per 1000. Julius Roehrs Company, Rutherford, N. J.
Giant cyclamen, our own grown strain, selected from the very best and well built plants and flowers. Seed, \$1.00 per 100, \$6.00 per 1000; nearly all sold out. August seedlings, \$2.00 per 100; \$18.00 per 1000. Plants, well set with buds, 4-in., \$18.00 and \$25.00 per 100. Orders amounting to \$25.00, 10 per cent. off. Here is one of the many letters we received from satisfied customers: E. A. Butler & Son, Niagara Falls, N. Y., say, "The plants are excellent, the finest we have ever had and, if the seed this year is of the same quality, we will be perfectly satisfied." Our aim has been to, and we have, improved our strain every season. Cultural directions with every order. C. Winterlich, Cyclamen Specialist, Defiance, O.

DAHLIAS

Herbert, Acto, N. J.
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Henry A. Dreer, Inc., Philadelphia, Pa.
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DAHLIAS NEW FOR 1911.

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williamstown Junction, N. J., Post Office, Berlin, N. J.

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.
EAST BRIDGEWATER DAHLIA FARMS.
If you are looking for dahlia stock for your 1912 catalogue, send for Trade List to the Dahlia King, J. K. Alexander, East Bridgewater, Mass.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.
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John Scott, Brooklyn, N. Y.
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H. A. Dreer, Inc., Philadelphia, Pa.
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ERICAS

Erica melanthera. Perfect specimens in every way. 4 in., \$4.50 per doz.; 5 in., \$5.50 per doz.; 6 in., \$7.00 per doz. Prices of larger plants on application. This is the best variety of Heath for florists' use. H. Huchner, Gloton, Mass.

EVERGREENS

New England Nurseries, Bedford, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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FERNS

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- H. H. Barrows & Son, Whitman, Mass.**
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- John Scott, Brooklyn, N. Y.**
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- Robert Craig Co., Philadelphia, Pa.**
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- Frank Oeschlin, 4911 Quincy Street, Chicago.**
Ferns for Dishes.
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- F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.**
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- Joseph Heacock, Wyncote, Pa.**
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- Roman J. Irwin, New York, N. Y.**
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- Boston Ferns, all sizes from 3 in. bench stuff to 8 in. pots. Prices on application.
Andrew P. Petersen, South Lincoln, Mass.
- Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.
- Scotti Ferns in 5-in. pots (good stock) at \$25.00 per 100. Good assortment table ferns at \$2.00 per 100. Cash please. J. H. Fiesser, Hamilton Avenue, North Bergen, N. J.
- ROOSEVELT FERN** as a Winner. 2½ in. at \$2.00 per doz., \$15.00 per 100; 3 in. at \$2.50 per doz., \$17.50 per 100. F. O. B. here. The Conard & Jones Co., West Grove, Pa.
- Fern dish ferns. Heavy 2½-in. pot plants, \$3.00 per 100; \$25.00 per 1000. Boston ferns. 6-in. pots, \$25.00 per 100; 6-in., \$40.00 per 100.
- Storrs & Harrison Co., Painesville, Ohio.**
- Boston Ferns—6-inch pots, 45c. each, \$40.00 per 100. Whitman Ferns, 4-inch, 20c. each, \$15.00 per 100; 5-inch, 30c. each, \$25.00 per 100; 6-inch, 45c. each, \$40.00 per 100; 7-inch, 60c. each, \$55.00 per 100; 8-inch, 75c. each, \$70.00 per 100. *Ficus Elastica*, 85c., 50c. and 75c. each. Cash please. **Queen City Floral Co., Manchester, N. H.**
- Boston ferns, first-class stock, for 5, 6, 7 and 8-in., 20c, 25c, 50c and 75c. Whitman, for 6, 7, 8 and 10-in., 25c, 35c, 50c and 75c. Also large specimen plants from \$1.00 up. Scotti, for 6-in., 25c and 35c. Any quantity; 7000 to choose from. Cash. A. E. Monroe, Wellesley Farms, Mass.

FERTILIZERS

- 20th Century Plant Food Co., Beverly, Mass.**
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Wizard Brand Cattle Manure.
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- Hardwood ashes, best fertilizer on earth for lawns and gardens. **George Stevens, Peterborough, Ont., Canada.**

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- Feverfew. Rooted cuttings, \$2.00 per 100, or \$18.00 per 1000. **Adolph E. E. Koch, Nohscot, Mass.**

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- M. Rice & Co., Philadelphia, Pa.**
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FLORISTS' LETTERS

- Boston Florist Letter Co., 66 Pearl St., Boston, Mass.**
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FLORISTS' SUPPLIES

- N. F. McCarthy & Co., 84 Hawley St., Boston.**
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- H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.**
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- M. Rice & Co., 1220 Race St., Phila., Pa.**
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- Reed & Keller, 122 W. 25th St., New York.**
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- S. S. Pennock-Meehan, Philadelphia, Pa.**
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- FLOWER POTS**
- W. H. Ernest, 28th and M Sts., Washington, D. C.**
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- Hilfinger Bros., Ft. Edward, N. Y.**
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- Syracuse Pottery Co., Syracuse, N. Y.**
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- Peters & Reed Pottery Co., Zanesville, O.**
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GALAX

- Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.**
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- Kervan Co., New York.**
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- Mt. Mitchell Decorative Evergreen Co., Harvard, N. C.**
Green Galax and Leucothoe Sprays.

GENISTAS

- Genista racemosa**, 6-in. pot plants, \$25.00 per 100.
- Storrs & Harrison Co., Painesville, Ohio.**

GERANIUMS

- R. Vincent, Jr. & Sons Co., White Marsh, Maryland.**
For page see List of Advertisers.
- Pelargo and Scented Rose Geraniums**, 2½-in., \$3.00 per 100. **P. Rieth, Downers Grove, Ill.**
- Geraniums**, S. A. Nutt and standard varieties, 2½-in., \$2.50 per 100; \$20.00 per 1000. **H. G. Norton, Perry, Ohio.**
- Geraniums**, standard varieties, 2½-in., \$2.50 per 100, \$22.50 per 1000; or will exchange part for Vinca root runners. **P. Rieth, Downers Grove, Ill.**
- Geraniums**, *Leandre*, *Mosnay*, *Roseleur*, *Nutt*, *Dagota*, *Ricard*, *Viaud*, *La Favorite*, *Col. Thomas*, *Jaulin*, *Perkins*, *Oberle*, 2-in. stock, \$2.00 per 100; \$18.50 per 1000. **Hill, Dryden, Claire Frenot, Pres. Baillet, Mrs. Vincent, Bisquit**, 2-in., \$3.00 per 100; \$25.00 per 1000. Cash. Send for geranium catalogue. **A. D. Root, Wooster, O.**

GLASS

- Boston Plate & Window Glass Co., Boston.**
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- Standard Plate Glass Co., 26-30 Sudbury St., Boston.**
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- Foley Mfg. Co., Western Ave., between 25th and 26th Sts., Chicago.**
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- Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.**
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- Parshelsky Bros., Inc., 215-217 Havermeier St., Brooklyn, N. Y.**
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- Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.**
- Greenhouse glass**, lowest prices. **Johnston Glass Co., Hartford City, Ind.**

GLAZING POINTS

- H. A. Dreer, Philadelphia, Pa.**
Peerless Glazing Point.
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GREENHOUSE BUILDING MATERIAL

- A. T. Stearns Lumber Co., Neponset, Boston.**
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- King Construction Co., N. Tonawanda, N. Y.**
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- J. C. Moulting Co., 117 East Blackhawk St., Chicago, Ill.**
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- Foley Mfg. Co., Chicago**
Perry Cypress for Benches.
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- Lord & Burnham Co., 1133 Broadway, New York**
- S. Jacobs & Sons, 1359-63 Flushing Ave., Brooklyn, N. Y.**
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GREENHOUSE CONSTRUCTION

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- Pierson U-Bar Co., Madison Ave., New York**
Designer and Builder.
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- Lord & Burnham, 1133 Broadway, New York.**
- Hitchings & Co., 1170 Broadway, N. Y.**

GUTTERS

- King Construction Co., N. Tonawanda, N. Y.**
King Channel Gutters.
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HAIL INSURANCE

- Florists' Hall Assn. of America.**
J. G. Esler, Saddle River, N. J.
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HARDY FERNS AND SUPPLIES

- Michigan Cut Flower Exchange, 28 and 40 Broadway, Detroit, Mich.**
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The Kervan Co., New York

- The Kervan Co., New York**
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- H. J. Smith, Hinsdale, Mass.**
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HEATING APPARATUS

- Kroeschell Bros. Co., 466 Erie St., Chicago.**
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- Lord & Burnham Co., 1133 Broadway, New York.**

HERBACEOUS PLANTS

- P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.**
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- New England Nurseries, Bedford, Mass.**
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- Boblink & Atkins, Rutherford, N. J.**
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HEMEROCALLIS LILY

- Fulva**, \$2.50 per 100. **C. S. Harrison's Select Nursery Co., York, Neb.**

HOSE

- H. A. Dreer, Philadelphia, Pa.**
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HOT-BED SASH

- A. T. Stearns Lumber Co., Neponset, Mass.**
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- Foley Mfg. Co., Chicago.**
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- Parshelsky Bros., Brooklyn, N. Y.**
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- Lord & Burnham Co., 1133 Broadway, N. Y.**

HYDRANGEAS

- F. R. Pierson Co., Tarrytown-on-Hudson, New York.**
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- Hydrangea Otaksa**, fine pot grown stock, 4-in., 2 to 3 shoots, \$15.00 per 100; 5-in., 2 to 3 shoots, \$20.00 per 100; 6-in., 3 to 5 shoots, \$35.00 per 100.
- Hydrangea Otaksa**, field-grown. Extra specimens for large tubs, 12 to 15 shoots, \$1.00 each.
- Storrs & Harrison Co., Painesville, Ohio.**

INSECTICIDES

- Eastern Chemical Co., Boston, Mass.**
Imp. Soap Spray.
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- Nicotide kills all greenhouse pests.**
P. E. Palethorpe Co., Owensboro, Ky.
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- Stumpp & Walter Co., New York.**
Kiln-dried Tobacco Dust.
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- Aphine Manufacturing Co., Madison, N. J.**
Aphine.
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- E. H. Hunt, Chicago, Ill.**
To-Bak-line Products.
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- Wilson Plant Oil and Fertilizer Co., Elizabeth, N. J.**
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In writing to Advertisers kindly mention Horticulture

INSECTICIDES—Continued

Acme Nicotine Insecticides sold direct to the grower. Acme 45 per cent. Liquid, pint \$1.75; gallon \$12.50. Acme Fumigating Paper, case of 288 sheets \$5.50. Sample can of 24 sheets 60 cents, postpaid. J. P. Beeremaker, 9 Washington Ave., St. Louis, Mo.

IRISES.

IRIS. All of the leading varieties. C. S. Harrison's Select Nursery Co., York, Neb.

JAPANESE LILIES

Lenthy & Co., New York, N. Y.
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JERUSALEM CHERRIES

JERUSALEM CHERRIES, pot grown, strong and well berried plants, 4-in., \$10.00 per 100. Cash, please. F. Sokol, Worcester, Mass.

KENTIAS.

Bobbink & Atkins, Rutherford, N. J.
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A. Lenthy & Co., Roslindale, Mass.
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LANDSCAPE GARDENING COURSE.

Home Correspondence School, Springfield, Mass., Dept. 8.
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LILAC

Rouen, 3 to 4 feet, six to fifteen branches, an ideal hedge as it stands, \$10.00 per 100. C. S. Harrison's Select Nursery Co., York, Neb.

LILIUM HARRISH

F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
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LILIUM MULTIFLORUM AND GIGANTEUM

R. M. Ward & Co., New York, N. Y.
Horae Shoe Brand.
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LILY OF THE VALLEY PIPS

Loechner & Co., New York, N. Y.
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MASTICA

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Large Evergreens, Deciduous Trees, Large Shrubs, Etc.

TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS. Ellwanger & Barry, Rochester, N. Y.

Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$3.00 by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Wm. S. Barlow, Inc., 621 S. Forsythia, Hialeah, Fla. Plants: A. Virens, Privet, Spirea, Weigela. Write for price list. F. E. Conine & Jones Co., West Grove, Pa.

ONION SEED.

Schiller Bros., Chillum, O.

ONION SETS

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Hybrid Orchids.

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Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
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Orchids—largest stock in the country. Stove plants and Crotons, finest collection. Julius Roehrs Co., Rutherford, N. J.

Edward V. Low, late of Hugh Low & Co., dissolved, Vale Bridge, Haywards Heath, England. "White" Cattleyas and Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Williams, 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston

PALMS, ETC.

A. Lenthy & Co., Perkins St. Nurseries, Roslindale, Mass.

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PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

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PEONIES

"Fragrans," late dark pink, large divisions, \$6.00 per 100, \$50.00 per 1000. Chas. Lenker, Freeport, L. I., N. Y.

PEONIES. Send for our wholesale list. C. S. Harrison's Select Nursery Co., York, Neb.

PHLOX

PHLOX. Field grown. C. S. Harrison's Select Nursery Co., York, Neb.

PHOENIX ROEBELENI

H. A. Dreer, Phila., Pa.

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Seele's Telescopic Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

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POTASH

German Kali Works, Baltimore, Md.

POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

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PRINTING.

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PRIVET

California Privet, any quantity, size, age. Others say ours is the best grown. Write for prices; also on shrubbery, ornamentals, fruit trees, asparagus, etc. Franklin Davis Nursery Co., Baltimore, Md.

Half a million privet. Strong, heavy, well furnished stock, 18 to 24-in. \$15.00 per 1000; 2 to 3 ft., \$20.00 per 1000; 3 to 4 ft., \$25.00 per 1000. Dwarf and specimen evergreens, shrubbery and trees in all varieties.

AMERICAN NURSERY CO.,

Singer Bldg., New York, N. Y.

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RHUBARB ROOTS

Mammoth Red rhubarb. Strong 1-yr. plants for forcing or growing on, \$2.50 per 100; 2-yr., extra large, \$6.00 per 100. Wm. Eschrich Co., North Milwaukee, Wis.

RHUBARB ROOTS, extra large clumps for forcing, \$20.00 per 100; strong divided clumps for replanting, \$5.00 per 100. Best kind for the market; red stalks. Stuls Seed Store, 544 W. 63rd St., Chicago.

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New Roses (Originated by Jackson Dawson).

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ROSES. Send for complete list. American Pillar 3 year, \$35.00 per 100; American Pillar 2 year, \$25.00 per 100; Dorothy Perkins, \$12.00 per 100; Lady Gay, 4 to 5 ft., \$16.00 per 100. The Conard & Jones Co., West Grove, Pa.

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Live Sphagnum moss, orchid peat and
orchid baskets always on hand. Lager &
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VINCAS

Vinea variegata, Strong selected field
clumps, \$5.00; good medium, \$1.00 per 100.
Rooted cuttings ready in December, \$7.00
per 1000. Cash. M. M. Lathrop, Portland,
N. Y.

WIREWORK

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Wirework Write for our catalogue.
Holton & Hunkel Co., Milwaukee, Wis.
William E. Hollacher's Wire Works, 38-40
Broadway, Detroit, Mich.

WOOD PRESERVATIVE

Conserve Wood Preservative doubles the
life of all exposed lumber. Preserves
benches, posts, sills or planking. Costs
3c. a stick, and saves ten times its cost.
Samuel Cabot, Inc., Mfg. Chemists, Bos-
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XMAS PEPPERS

Xmas Peppers, fine berried plants, 4 and
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In writing to Advertisers kindly mention Horticulture

FOR "POT LUCK" TRY US...

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS
WORLD'S LARGEST MANUFACTURERS

Pearson Street,
LONG ISLAND CITY, N. Y.

WRITE FOR CATALOGUE AND DISCOUNTS
A. H. HEWS & CO., Inc.

Main Office and Factories
CAMBRIDGE, MASS.

Obituary

John Caldwell.

John Caldwell, an employe of the Ross Bros' Seed Co., died on Oct. 30, aged 56 years.

James Hart.

James Hart, son of M. A. Hart, well known in the New York wholesale flower district, died on Saturday, November 18, of consumption.

John D. Crawford.

John D. Crawford, for many years a florist in Brooklyn, N. Y., died at his home at Roslyn, L. I., N. Y., on Nov. 2, aged 69 years. He was born at Saratoga Springs and up to ten years ago kept a florist's store at 372 Court street, Brooklyn.

John Jules Fonta.

John Jules Fonta, of New Orleans, La., was buried on Nov. 11, his funeral being largely attended. Mr. Fonta came to America from Rogat, France, going to New Orleans in 1869. After a successful career as a florist he became manager of the Morgan Whitney estate, later becoming superintendent of Audubon Park, which position he held till 1909. He leaves a wife, one brother and two sisters.

Elizabeth P. Foster.

A most estimable lady, well known in the inner life of the florists' business, passed away, November 13, 1911, and has left a fragrant record of a well spent and noble life in our annals. Mrs. Foster died at Westerly, R. I., on the above date. One daughter is the wife of Samuel S. Pennock of Philadelphia, another is married to H. N. Willits of Lansdowne, Pa., both well known in florists' circles. Her only son, Wm. H. Foster, of the Riverside Greenhouses, Westerly, R. I., and two other daughters survive. Mrs. Foster was born September 27th, 1849, and came of good old Quaker stock. She was a member of the Society of Friends, and was a credit to it.

Reuben T. Woodward.

Reuben T. Woodward, a man of wide experience as landscape gardener and horticulturist, died Nov. 15, in Boston, Mass., aged eighty-seven years. He was born in Boston and secured his first knowledge of gardening while "working" on a farm in Plain, Mass. At the age of sixteen he entered the employ of his brother-in-law who had been a gardener in England. He began business in South Reading as landscape gardener, later moving to Melrose then to Haverhill. He enlisted in the army in 1861, being

wounded at Newbern, N. C., and honorably discharged. In 1875 he became assistant superintendent of Golden Gate Park and later engaged in business in Los Angeles, Oakland, Pasadena and other places. He returned to Boston in 1899.

Frank P. Baum.

It was with sad regret we learned of the death of our brother florist, Frank P. Baum, of Buffalo, N. Y., who died suddenly while on a business trip to Salamanca, N. Y., aged fifty-seven years. Mr. Baum was born in Looneyville, N. Y., and came to Buffalo forty years ago, where he has been engaged in the florist business for twenty-five years, conducting a retail stand at the Washington Market, and having eight thousand feet of glass at 50 Kingsley street, where a good portion of the plants and cut flowers are grown for the retail and wholesale market. Mr. Baum was well known to the trade, and had a large circle of friends and business associates, also being a member of several fraternal organizations. He leaves a widow, Mrs. Elizabeth, also a son, Frank, and daughter, Mrs. B. E. Slee.

The country has lost a sincere lover of our profession, and an enthusiast in his chosen field. Our heartfelt sympathy goes out to his bereaved widow and children in this hour of their sorrow. Words are of little aid in these days, but to the fatherless and widow, it may be a ray of pleasure to be assured that through the length and breadth of this adopted country, the name of Frank P. Baum commanded only respect and affection. E. C. B.

William H. Moon.

William H. Moon, senior member and founder of the William H. Moon Co., Nurserymen, Morrisville, Pa., dropped dead on West State street, Trenton, N. J., on Nov. 18th while on his way to consult his physician in that city. Funeral services were held on the 22nd inst., from his home in Morrisville. Interment at Fallsington—where the family for several generations have their last resting place. A brother, James Moon, and two sons, Henry T. and J. Edward, were associated with him in the business which was one of the largest nursery concerns in the country. Being a chartered corporation the business continues under the same title. Two daughters of Wm. H. Moon also survive. Mrs. Moon died last summer.

Mr. Moon was 62 years of age and had been an active and influential force both in business and civic for many years. He was a son of the late Mahlon H. Moon, one of the pioneer nurserymen of this locality, and a brother of the late Samuel C. Moon, who succeeded Mahlon H. Moon. The Moon family were ardent members of

1000 READY PACKED CRATES

STANDARD FLOWER POTS AND BULB PANS

can be shipped at an hour's notice. Price per crate:

2000 1 1/4 in. @ \$6.00	500 4 in. @ \$4.50
1500 2 " " 4.88	450 4 1/2 " " 5.24
1500 2 1/4 " " 5.25	320 5 " " 4.51
1500 2 1/2 " " 6.00	210 5 1/2 " " 3.78
1000 3 " " 5.00	144 6 " " 3.16
800 3 1/2 " " 5.80	120 7 " " 4.20
	60 8 " " 3.00

HILLFINGER BROS., Pottery, Fort Edward, N. Y.

August Rolker & Sons, 31 Barclay St., N. Y. City, Agents.

OUR SPECIALTY—Long distance and export trade.

Syracuse Red Pots

"A little pot is soon hot," likewise a thin pot. This will save you fuel. Our pots are the thinnest and toughest owing to the superior quality of the clay. New price list on application.

Syracuse Pottery Co., SYRACUSE, N. Y.

— STANDARD FLOWER —

POTS

If your greenhouses are within 500 miles of the Capital, write us, we can save you money.

W. H. ERNEST

28th & M Sts.,

Washington, D. C.



ALL THE CLAY FOR OUR

Florist's Red Pots is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots, order from us. THE PETERS & REED POTTERY CO. Zanesville, Ohio



DREER'S

Florist Specialties. New Brand New Style. HOSE "RIVERTON"

Furnished in lengths up to 500 ft. without seam or joint.

The HOSE for the FLOWBET 1/2-inch, per ft., 15 c. Reel of 500 ft., 14 1/2 c. 2 Reels, 1000 ft., 14 c. 1/4-inch, 13 c. Reels, 500 ft., 12 1/2 c. Couplings furnished.

HENRY A. DREER, 714 Chestnut St., PHILADELPHIA, PA.

the Society of Friends—that sturdy stock that did so much in early days to put the destinies of Pennsylvania on a sound footing. To this day—notwithstanding the immense influx of strange peoples—the Quaker influence is fundamental and far-reaching, notwithstanding the fact that they have been buried millions deep in numbers by succeeding waves; which shows clearly that quality, and not quantity, is what counts, after all. William H. Moon belonged to the quality stock, and was a powerful influence for the higher ideals of life and conduct—an example to the pushing trampling multitude, and a staunch upholder of right and truth against all odds.

G. C. W.

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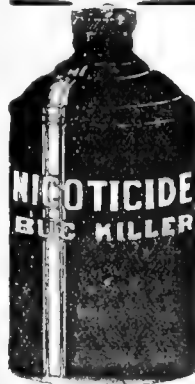
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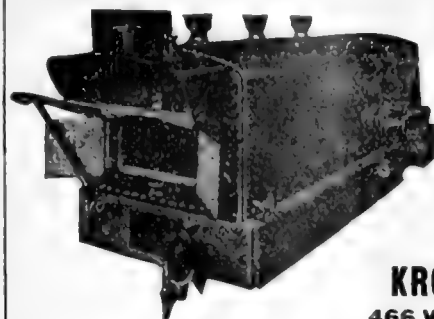
Flower Market Reports

(Continued from page 743)

mostly on Beauties, orchids, violets and lily of the valley. All these staples cleaned up well. Of course the chrysanthemum held the center of the stage. It was a pretty good week, all things considered. In view of the centrifugal tendencies of the times a la James Watt and B. Franklin—we would suggest a close study of Adam Smith, John Stuart Mill, Ricardeau and the British budget of 1910. By so doing those with small places will find out just how those with big places have such a bulge on them, and how they can so arrange it that the little fellow will get his share according to his deserving. Those well-posted think that the Army and Navy game here on the 25th will cause a big demand for blue and yellow. Which means—Bonnaffon and Violets. They are all hedging accordingly. Other things will go also. Good luck to all of you. Vale.

The market was over-stocked all during the last week. There was so much stock in that it was impossible to dispose of one half of it and a great many carnations, roses and small chrysanthemums were dumped. Chrysanthemums have seen their best days but there are still many coming in of the fancy varieties—some fine Chadwick, Golden Wedding and Eaton. The fancy stock in these sold clean up. Large fancy Bonnaffons sell better than any just now. Violets have been very scarce as predicted early in the season and the few that come in now have advance orders. Roses are more plentiful than ever and the sale on them is not strong. Lily of the valley and lilies sold well all week but not clean up.

The Pure Food WASHINGTON Show which terminated on Saturday night last called for the supply of quite a large quantity of chrysanthemums and roses, Richmonds being most in demand. This with the Saturday football games which made the sale of yellow and white chrysanthemums heavy, and the large number of weddings, caused quite a little flurry in the local market. There is a large quantity of chrysanthemums coming in and due to this they move well only at moderate figures. Carnations are very good, and this holds true also with the Hudson River violets. Both are moving well. There is, however, quite a quantity of poorer stock (carnations). Lily of the valley, thanks to the weddings, is going pretty good, and the same is true with smilax, adiantum and asparagus. Sweet peas have greatly improved in quality and are having a ready sale. Roses better and in good demand. Cattleya not up to the standard lately. There is plenty of small stuff to be had but the best is lacking in quantity. Lilies are moving but fairly well. It is expected that the days preceding Thanksgiving Day will bring forth large sales of cut flowers, especially chrysanthemums for the decoration of window displays. This latter is due to the many editorials in other trades papers showing the value of flowers when used to set off various kinds of merchandise. High class jewelry stores and optical establishments will prove among the larger consumers.



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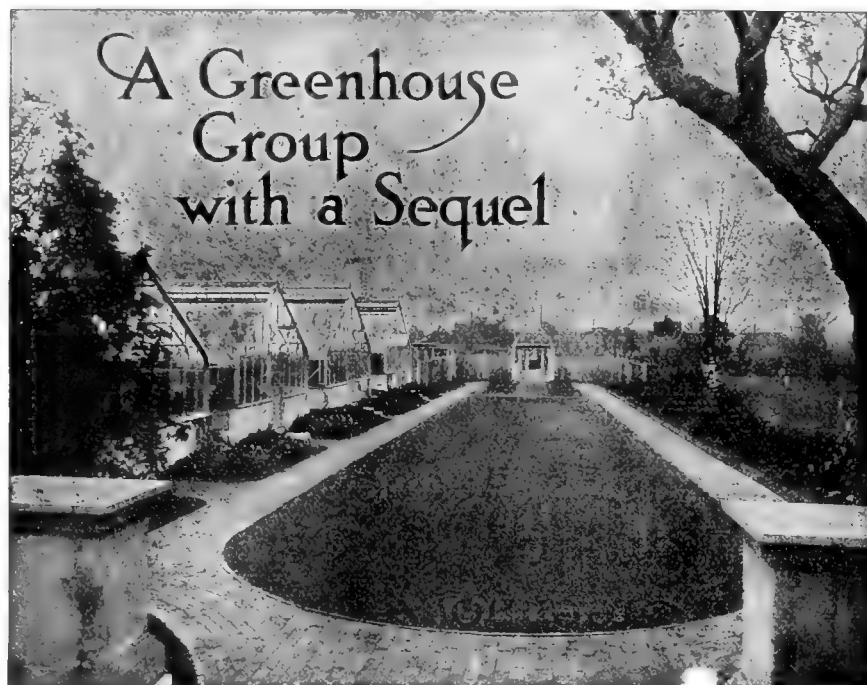
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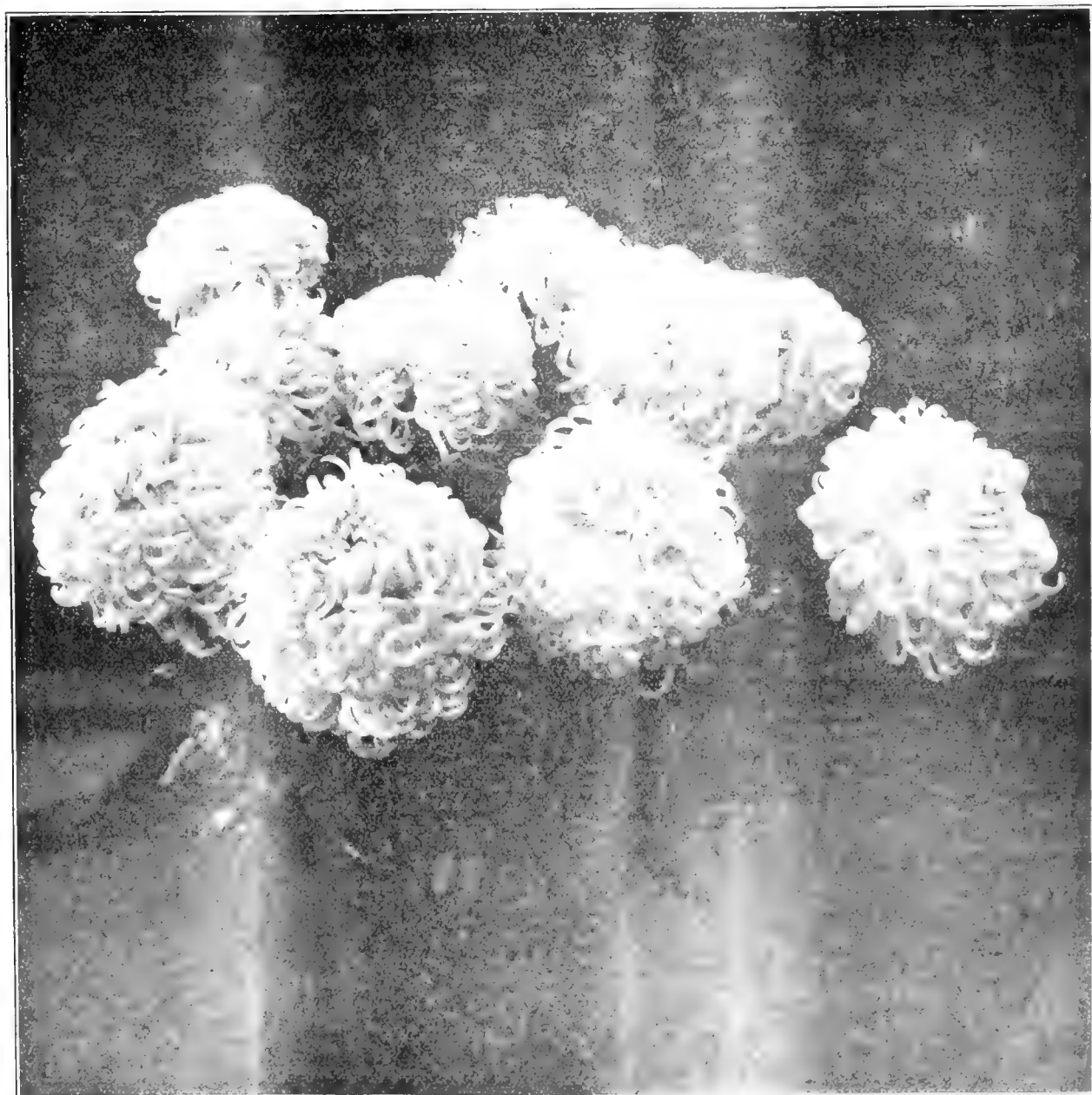
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HORTICULTURE

Vol. XIV. DECEMBER 2, 1911 No. 23



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A large part of the horticultural trade is vitally interested in the Holiday demand and every offer in that line of goods for this season will find interested readers.

Advertising In Horticulture's Special Holiday Number

will, for the above reasons, prove most resultful.

LAST CALL. Special number goes to press Dec. 7.

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A Carnation by any other name "might smell as sweet," but it is a fact that very few of them do. The fragrance of "WODENETHE," is delightful. It has every other desirable quality also, size, perfect form, purity in color and the calyx positively does not split.

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BROOKLYN

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The new Sargent rose, originated by Jackson Dawson, now offered for the first time for fall 1912 delivery
As this stock is limited book your orders early. \$1.50 each

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Write for prices.

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Standard varieties in addition to the best of the new ones.

**DOUBLE WHITE KILLARNEY
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We shall disseminate Chadwick Supreme, the pink sport of W. H. Chadwick.

Smith's Advance, Roman Gold. Standard chrysanthemums, all commercial varieties.

BEDDING STOCK in quantity for the spring trade.

Our Catalog covers these, and will be ready Jan. 1. Have your name added to our mailing list

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Araucaria Excelsa

5 in., 3 to 4 tiers, 40c. and 50c.; 5½ to 6 in., 4, 5 and 6 tiers, 60c., 75c. and \$1.00; 7 in., 25, 30, 40 and 50 in. high, for lawns and porches, \$1.50 to \$2.00.

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JOHN SCOTT

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Tel. 2890 Bedford **BROOKLYN, N. Y.**

Seasonable Notes on Culture of Florists' Stock

AZALEAS FOR CHRISTMAS

If these plants do not show color by this date they should be kept in a temperature of 70 degrees at night and sprayed with lukewarm water two or three times a day which will help to push them along. Also give them the sunniest bench you have. Azaleas that are showing the first flowers open can be placed in a lower temperature of about 60 degrees. It should be borne in mind that for the last ten days before Christmas, it would be a great advantage to the keeping qualities of the flowers if they were given a house where the temperature runs from 50 to 55 degrees at night, with a rise of ten degrees during the day and a good amount of fresh air circulating by proper ventilation. Give attention to watering of the plants as neglect of this causes an unevenness in the opening of the flowers and is a direct injury to the plant. There is very little difficulty in having such varieties as Deutsche Perle, Hexe, Mme. Petrick or Verveaneana, in flower for the holidays.

CARE OF CHRISTMAS GREENS

To keep all greens such as boxwood, holly, bouquet green, leucothoe, galax, ferns, etc., in a nice fresh condition try a deep coldframe. Give it proper banking around on all sides with leaves or hay of sufficient depth to make it practically frostproof. See that the sash are in good shape and fit tight. These can be covered with hay or straw which will keep out the light. A dark, moist place that is just kept above the freezing point is the ideal location.

HOLIDAY SUGGESTIONS

Look over your stock of supplies now to see if anything is wanting such as heavy wrapping material, tissue and waxed paper, waterproof crepe paper in white, red and green, sheet moss, ribbons and waterproof chiffon, cut flower boxes, fern dishes, etc. Attend to your plant requirements early. The average florist cannot grow all his own and now is the time to buy. Take a look through the columns of HORTICULTURE and you will find there firms advertising just what you may want. A week or ten days before Christmas go over your plants and see that foliage and pots get a good cleaning, especially such plants as palms, cycas, pandanus, ficus, dracaenas, and other foliage plants, as the least bit of dust shows on the leaves and detracts a good deal from their beauty. It will be time well spent to give each plant a perfect coating which will show to full advantage all the marvellous shades which go to make foliage plants beautiful and of course every pot should be scrupulously cleaned.

PRIMULAS FOR CHRISTMAS

These plants that have almost just started will soon be starting to show new growth. When they have made a growth of about an inch knock them out of their pots and shake the old soil well out. If there are any long and strag-

gling roots these can be shortened back. When potting give them a compost of turfy loam three parts, well decayed cow manure one part, and add enough of sand to make the soil porous, for they like a compost that allows the water to pass freely through it. Keep them rather close for a week or two and root action will soon begin to start. Give a light syringing twice a day until they have broken into new growth. When they have taken hold of the soil give them a bench near the glass in a very light and airy house as they will make a stouter and more thrifty growth where there is a good circulation of air. From now until the spring give them a temperature of about 55 degrees at night.

POINSETTIAS

Your pans of poinsettias as they become fairly well developed should be reduced 5 to 8 degrees at night which will put them in a better condition to withstand the many vicissitudes they are liable to meet during the holidays or before Christmas. Where your pans are well filled with roots a little weak manure water once or twice a week will be of great advantage in giving the bracts a fine color as well as increasing their size. Give as much air during the middle of all fine days as possible without causing any cold or arid draughts. The atmosphere should be kept somewhat drier now as this will tend to harden up both foliage and bracts. Plants that are in a bed or bench are better, if the bracts are well developed, for a lower temperature, say anywhere from 55 to 58 degrees at night will do. When cutting poinsettias dip the ends in boiling water long enough to stop bleeding and then tie the bracts around with some soft tissue paper and place in a vase that holds a good depth of water. They will keep better and longer if placed in a temperature of about 45 degrees.

PRIMULAS FOR CHRISTMAS, 1912

To have strong and well flowered plants a year hence secure some seed now and sow as soon as you can get to it. Large shallow pans are the best to sow the seed in. Fill these pans, after there is good drainage given, with a light compost of sifted loam and leaf mold in equal parts, to which some sand should be added. After the pans have been filled to within about half an inch of the top, press the soil down and give a good watering with a fine rose, and let them stand until the next day when the soil will have become sufficiently moist for the seed. When sowing the seed be sure not to sow too thickly. Press the seed into the smooth surface of the soil and cover very lightly with very finely sifted compost, and again press the soil down. Place a piece of glass over the pans to keep them from drying out, and shade from the sun until the young seedlings appear. To avoid any risk of frost place the pans in a cold glass case or in a cold room where the temperature runs from 45 to 50 degrees. The plants will make two or three fall and early winter flowering. Of *Primula* *obconica*, *Primula* *obconica* *R. C. Johnson* *King*, and *Primula* *obconica* *R. C. Johnson* are good, and for *Primula* *obconica*, *Kermesina* is the best.

John J. M. Farrell

Mr. Farrell is a well known expert on the subject of Primulas. He is the author of "The Primula" and "The Primula" and is the proprietor of the Primula Propagating Co., Ltd., London.

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Some good news The communication from the Chairman of the Tariff and Legislative Committee of the Society of American Florists, which appears on another page of this issue, should be very welcome news to the flower shipping trade and, this being Thanksgiving week, thankful emotions are surely in order. It is nice to contemplate the fact that this, as Mr. Esler states, has been a victory of peace. We sincerely hope it may be as permanent and far-reaching as it is encouraging.

Instruction on right lines

Our New England readers should not overlook the notes in this issue on what the Massachusetts Agricultural College, through its Department of Floriculture,

is planning to do for the floral interests. Prof. E. A. White who has charge of this work has given good assurance in the past of his sincerity and wisdom and his practical policy in the line of horticultural work will go a long way towards eliminating the prejudice heretofore harbored by many as to the value of the education acquired in the State Colleges. Prof. White has selected his co-workers from the successful men who have accomplished things not by theory but by hard labor and application. We bespeak for his effort the approval and cordial support of the floricultural interests of New England.

The Garden for Nov. 4, illustrates a new aster under this name which is described as follows:

"A deep-colored seedling from the now well-known highly popular A. Climax. It is of somewhat dwarfer habit than that variety, with large deep blue colored flower-heads."

It might be well for the hardy aster specialists to look into the nomenclature a little. We know that quite a number of years ago the late George Hollis of So. Weymouth, Mass., who raised a great number of very fine aster seedlings, exhibited one before the Massachusetts Horticultural Society under the name of Amethyst. It was a large handsome flower of the *Novae Angliae* type and well-named as to color which was true amethyst. It is very probable that this plant is well-distributed among New England gardens under the name given it by Mr. Hollis. Some botanical works mention an obscure species, *A. amethystinus*, as being found in eastern Massachusetts. The hardy asters are rapidly gaining in appreciation and popularity. It is to be regretted that the botanists have the species so badly mixed and the duplication of varietal names will further add to the confusion.

Every retail seedsman will probably agree with us that a better harmony and mutual understanding is something greatly to be desired among the retail

seed trade. Prices on many things have been so much at variance that the man quoting the higher figures has been accused of overcharging and the one who happened to be the lowest has had to face the suspicion that he was carrying inferior stock. The conditions which have been in part responsible for this unprofitable confusion have, for the time being, been to a considerable extent eliminated. In other words, Nature, in imposing a period of famine, has done for the seed trade what it has been unable to do for itself and the situation now existing is far from being an unqualified calamity if the trade will only take advantage of the opportunity to agree upon some general basis for establishing fair living prices henceforth and eliminating cut-throat policies. We know of an instance where one prominent house has gone so far as to submit to a rival house portions of their vegetable seed catalogue proofs and if the spirit thus shown could be more generally cultivated we believe the trade would benefit, while the public would not suffer in the least. We do not suggest a trust or any arbitrary compacts but merely the promotion of a better understanding and agreement as to the basis of values. The seedsman is at the disadvantage of having almost his entire year's business crowded into a few weeks and where other industries can turn their money over and over again in the course of a year he must be content with doing it but once. A retail seed trade organization, patterned possibly on the lines of the Wholesale Seedsman's League, would be a wise move in the present crisis.

Fruit and Vegetables Under Glass

STRAWBERRIES

With December coming in activities in the fruit department brighten up considerably. It is the commencement of another season with its hidden future and the first crops are got under way. A first batch of strawberries can be brought in and placed on a shelf or bench near the glass, in any house having a temperature of 40 to 45 at night. Remove any dead foliage, see that the drainage is clear, and clean the pots; there's nothing like cleanliness right from the start. When the pots dry out sufficiently go through them with the rammer, firming them down where frosts and rains have loosened the balls. An application of weak soot water, after being in the house a week or two, will help to sweeten the soil and also drive out any worms which may have found their way into the pot while the plant was growing. Syringe the plants over twice daily in all favorable weather.

MELONS

To have ripe melons through April sow the seeds at once using well drained three-inch pots, placing a single seed in each. These will be ready for planting out before Christmas and with the season advancing with them, will soon develop into strong plants. The first three months of the year are the worst for finishing melons off. They can be grown the whole year round, but are a very expensive luxury in these three months; the percentage of "finished" fruits will be at its lowest. From now on, however, success can be assured and sowings can be made at regular intervals. Hero of Lockinge is second to none for this early work. "His Eminence" with its strong constitution is a sure setter and finishes its fruit well. Superlative is a good Green Flesh.

PEACHES AND NECTARINES IN POTS

These will now respond to treatment. To do them justice a house must be devoted to them, which avoids shifting and consequent bruising of the fruits later on. They can also be grown in vineries when the young canes do not occupy all the wires, thus giving the trees underneath sufficient light. As soon as dry enough after housing make the balls firm which may have been loosened since potting, by rain or frost. Give a night temperature of 40 to 45 and keep a good humid atmosphere. Syringe the trees over twice daily and see that the water used for both watering and syringing is tepid. Varieties which will be found suitable for this early work are Duke of York, Alexander and Hale's Early peaches; Cardinal and Early Rivers nectarines. Pot

trees started now should have ripe fruit about the middle of April. Houses containing planted out trees can also be started similarly. The trees in pots will have the advantage of ripening two weeks earlier than the planted out ones of similar variety. Should the border be at all on the dry side give a watering at the time of starting.

POT VINES

Pot vines started now will have ripe fruit the first week in May. A Horticulture illustrated three weeks ago, good crops can be produced from a twelve-inch pot and for the amount of space occupied these are very profitable. Black Hamburg is the most serviceable variety for this early work. Later on such varieties as Madresfield Court, Foster's Seedling and Muscat of Alexandria can be successfully grown. Bottom heat is advisable for vines being started now and is best supplied in hot-bed form, thus serving a dual purpose of bottom heat and mulching later on, when the growing roots will also ramble through this and will pick up so much food. Make up hotbed material of equal parts stable manure and leaves, well mixed together. The pots should be stood on a bench sufficiently deep to allow of their being plunged to the rim making the material quite firm around them. Bend the canes down to secure an even break and syringe two or three times daily with tepid water until growth commences. Keep a night temperature of 40 to 45 advancing 10 to 15 degrees through the day with sun heat. Vines planted out can also be started now providing that suitable varieties are in the house.

VEGETABLES

Continue to sow more beans as the older ones wear out. The old soil should be replenished with a dressing of manure or replaced with new. The advantage of sowing the quickest maturing varieties will now be very forcibly demonstrated. Black Valentine is second to none in this respect and is always a good cropper. Spinach will grow very slowly from now on. Only the large leaves should be gathered. New Zealand variety will be found the greatest yielder and quickest grower. Cultivate the soil between the rows at regular intervals. A little stimulant in the form of liquid cow manure will help them. Parsley, too, will be similar to spinach. Work in a sprinkling of wood ashes when cultivating.

George H. Benson

SEE NEXT WEEK'S ISSUE

Our Seventh Anniversary

For Some Good Things in Reading Matter and in Trade Advertising

ROBERT CRAIG'S REMINISCENCES

We take pleasure in presenting here with a few interesting extracts from the talk given by Robert Craig, Philadelphia, at the Michell Saturday lecture on November 25. In connection with this lecture there was an exhibit of the new scarlet carnation St. Nicholas.

The subject of my talk this afternoon is "Progress in Floriculture." This subject I did not select myself and, as I have not had time to collect statistics and facts covering any wide territory, I think if I relate some of the facts that have come under my own observation the past half century, it may prove to be of some interest to my hearers, particularly to the younger ones.

At that time, that is, about fifty years ago, there were only about a dozen firms in Philadelphia, the principal ones were Dryburgh, Sherwood, Dick, Buist, MacKenzie, Ritchie, Ferguson, Karl Muller and Robert Scott. It was interesting to hear John Dick tell of his early struggles to establish himself in business. He was, as a young man, a private gardener, in charge of the greenhouses of Dr. Pepper on Arch St., near Tenth, and had saved a little money which he invested, in partnership with Jas. Ritchie, at Third & Berks Sts., under the firm name of Ritchie & Dick. In about two years the firm dissolved, Ritchie retaining the old place and Dick locating at 52nd St. and Darby Road. Some of his friends tried to dissuade him from starting, using the argument that Dryburgh and Sherwood who had already embarked in business, could supply all the demands and that there really was no chance for another, but he succeeded.

As early as I can recollect anything in connection with the business, there were always timid souls, inclined to take a pessimistic view of the future.

I was quite early in life engaged practically in the business, working in the greenhouses and grounds for my father who had a small place on Irish Track Lane below Federal St. Irish Track Lane started at Broad and South Sts. and ran diagonally to about 19th St. and Back Road in that section of the city known as the Neck; it terminated at about what is Snyder Ave. today; it was a track or wagon road cut through the woods by the Irish Societies in Revolutionary times and has now entirely disappeared. West Philadelphia at that time was also undeveloped and was very sparsely populated.

It is interesting to recall the character of the greenhouse structure of this time; it was very crude and cheap, the houses glazed mostly with 6x8 glass and heated by very cheap furnaces connected with brick and terra cotta flues, with the result that the houses were too hot at the end nearest the furnaces and liable to freeze on cold nights at the end nearest the chimney. At this time, and for many years after, the work of the plant grower had to do mostly with plants used for bedding out in spring; the great business which now exists in producing and selling plants

for home adornment in winter and porch decoration in summer was not known, and the preparation of fine blooming plants for Easter and Christmas had scarcely made a beginning. These two seasons are now the most profitable to the plant grower and to the retailer, and much of the work of the year is done with these two periods in view. Then the plants were sold in the market houses and quite a market was established on Market street pavement on the site of the present public building.

In the branch devoted to the production of palms, ferns and market decorative foliage plants, I will cite only a few facts which help to illuminate and illustrate the advances in this direction. A half a century ago the only plant of *Pandanus Veitchii* in this country was in possession of Robert Buist. It had been imported from London and was sold to the United States Botanic Garden at Washington for \$25. Now this plant is grown in the vicinity of Philadelphia alone by the hundred thousand annually, and a good plant in a 4-inch pot can be bought for 50 cents. Many other plants, then scarce and high-priced, are grown in as large proportion. The same increase in quantity grown and the same tendency to popular prices is noticeable in the palm family and in the fern family. Kentias, for instance, then very rare, are grown now by the acre and the production of other palms and other foliage plants has increased a hundred fold. The increase in the quantity of ferns grown is even more remarkable. No florist fifty years ago had more than 100 or 200 ferns on hand at any one time and these mostly small specimens in three or four-inch pots; the whole city could hardly supply 500 little and big. Now they are grown by the million in the vicinity of Philadelphia alone and well grown too. As a matter of fact one firm, which, although its greenhouses are located on the Jersey side of the Delaware, I call a Philadelphia firm because its principal office is in this city, grows ferns literally by the million. It is safe to say that, taking all the departments of this one firm into consideration,—the greenhouse, herbaceous, vegetable plant and aquatic sections—the output has increased a thousand fold and the quality of the plants produced almost incomparably better. Many other firms have also made great advances.

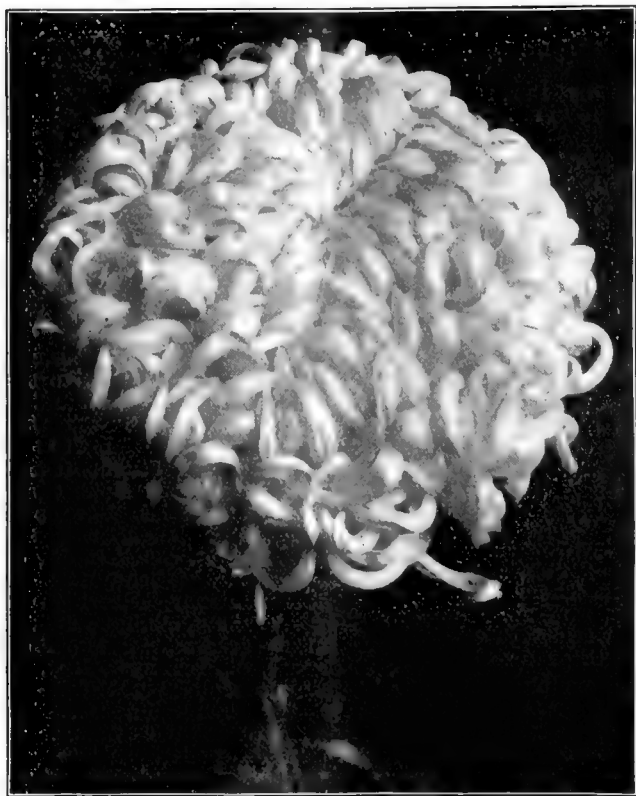
In the line of cut flowers, especially in winter, the advance is even more marvellous than is the increase in the plant business. Take for instance carnations which are now grown in winter in this country finer than anywhere else in the world and in greater quantities. Visitors from England and Germany, which nations were embarked in carnation culture centuries before Americans, are lost in admiration when they see our wonderful carnations. Forty years ago we had only half a dozen inferior varieties; Degraw (white) and LaPurite (pink) were the two best and the methods of culture were just as inferior as the varieties. They were planted outdoors

brought into the houses until October and sometimes not even until November; they were put into houses not at all adapted for producing cut flowers in winter even if they had been otherwise correctly treated. The houses were glazed mostly with 6x8 glass and were built with too much wood work, making them dark and damp; they were badly heated, too, with the result that few flowers were had before spring and those of so inferior a character that they would be absolutely without money value today. They were cut without stems and sent to the retailer in all colors mixed. The brightest imagination of those days could not conceive of the fine blooms that are produced so freely today. The advanced growers of carnations in England and Germany today look to us continually for new varieties; the demand there is steady and increasing for all new varieties that are sent out by introducers of established reputation, of whom we have several in this country who are making the improvement of the winter-flowering carnation largely their life work.

In roses, too, especially for cut flowers in winter, the advance in production, both in quantity and quality has been most astonishing. I can recall the time when there were only two houses in Philadelphia, and these small and poorly constructed, devoted to the culture of roses for cut flowers in winter; precious few they got before March and April, the houses being too dark to produce flowers in winter. One of these houses was on Andrew Dryburgh's place at 19th and Race streets and the other at Robert Buist's, 67th street and Elmwood avenue. In Dryburgh's house was a number of old varieties; La Pactole I recall as being prominent. In Buist's house were Bon Silene, Safrano, La Pactole and Duchess de Brabant; none of the flowers produced in either houses would have any market value today. It is hard to realize that these are the facts when we consider the immense quantities now grown, the number and fine character of the houses built for their culture, the almost perfect nature of the heating apparatus and the large capital invested in this branch of Floriculture. Truly, rose growing has increased more than a thousand fold in the past half century. When we look back at the cheap and unsuitable structure used so short a time ago and then contemplate such rose houses as have recently been erected by modern growers and the fine quality of the stock produced therein, we cannot adequately express our astonishment. Contrary to many preconceived notions these large houses seem to be comparatively easily heated, and to produce under good management extra fine flowers. I look upon these very large wide houses as one of the miracles of these latter days. There are many of them now in various parts of the country, and their number is constantly increasing.

In thinking over how scarce roses were forty years ago, I recall a trip made by Thos. Cartledge and John Westcott to New York in search of roses for the Assembly Ball; they were well posted and knew where to

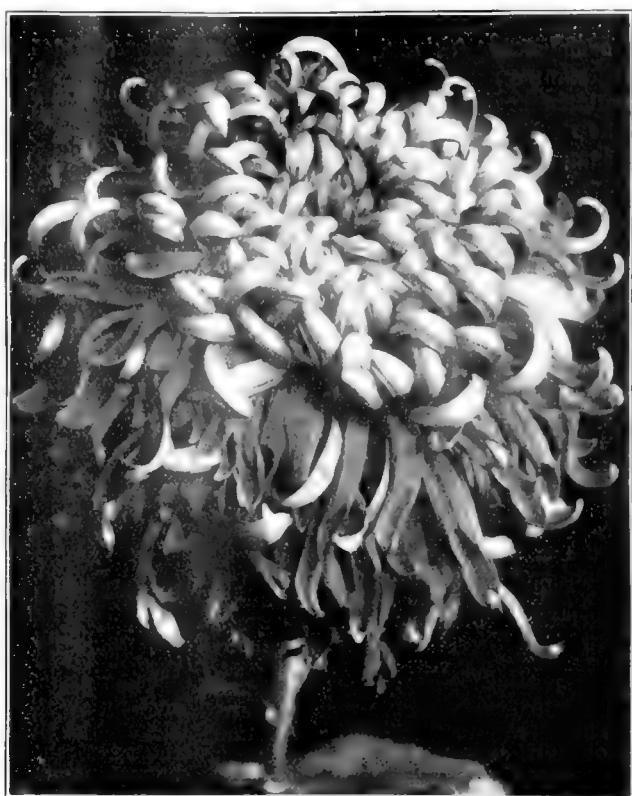
TWO NEW CHRYSANTHEMUMS



MRS. A. M. HENSHAW

Mrs. A. M. Henshaw, a snow white flower, gracefully incurved petals. A rather tall grower but should hold its own with any other white on the exhibition tables. A promising variety, named after one of New York's popular wholesale florists.

C. H. Totty says of Mrs. Gilbert Drabble, "My 'best introduction for 1912'; so surely it is well worthy of the Cover Position in HORTICULTURE. It is described as a splendid flower of the purest possible white; the petals arranged in a whorled form different in type from any white we have. The foliage is right up to the flower and the stem "stiff as an iron rod." Our readers will make no mistake in buying these three novelties.



WILLIAM KLEINHEINZ

This is another of Mr. Totty's 1912 pets. In writing about it he says: "There is nothing small about the original owner of the name and I thought it only in keeping to name a big 'mum' after him." This is a crimson with bronze reverse and will make a flower as large as the redoubtable Woodmason, with the color infinitely better.

go but returned with only twenty-nine roses after being absent for two days. In the retail business the same crudeness existed. I recollect when there were no retail flower shops on the ground floor in Philadelphia; Hanft Bros. had a basement on Chestnut street between Broad and 13th streets, and James Ritchie had a cellar on the northwest corner of Eighth and Sansom streets. The first shop on the level of the street was open in a one-story structure on 12th street below Market by Pennock Bros.

Orchids were scarcely known commercially; now they are grown by the hundred thousand for the Philadelphia market, some men making their culture a specialty to the exclusion of all other lines of work. Instead of a few plants being imported occasionally from Europe by amateurs there is a steady annual supply coming in from South America and other countries which are the native habitat of these gorgeous and elegant flowers.

The growth of the wholesale commission business in Philadelphia also shows in a marked way the increase in the business; the immense warehouses

needed to hold the stock coming in daily, at times literally in car loads, is certainly impressive. The question arises how is a market now found for the great quantity now produced. One answer is that the prices have become so low that people in moderate circumstances can now afford to indulge in what was at one time an extravagant and almost impossible luxury; and it is a fact that a large supply often creates a large demand. This fact was well illustrated by Peter Barr, the great specialist in narcissus, who visited Philadelphia a few years ago. He said that in the early history of his business when his stock consisted only of a few hundred he sold them by the dozen, but as his business grew and he finally planted fifty thousand rare bulbs on the banks bordering his place he received several orders from wealthy patrons for fifty thousand just such bulbs; the supply created the demand.

There will be many times, no doubt, when there will be "gluts" in the market and the business temporarily unprofitable as is always the case when there is an over-supply of perishable

merchandise. As a matter of fact, the business never has been one of large profits and probably never will be. Men do not rapidly become millionaires in the florist business as they may do in the wine and liquor and tobacco business. E. G. Hill, who is well-known to most of you told me of his attending a banquet of wine growers and merchants in France. More than fifty sat down to the table and each one was worth more than a million dollars; no one has ever heard of a florists' banquet of which the participants were so financially situated. If flowers should ever become as popular and as eagerly sought after as tobacco then we might all grow rapidly rich. But we have our compensations, if we cannot make money fast we know our products tend to the elevation, refinement and happiness of mankind.

Mount Sterling, Ky.—Graser & Humphreys have given up the greenhouses 45 West Main street to John Corbett, from whom they leased them. Mr. Corbett has remodeled the place and will conduct a general florist's business.

PARIS AUTUMN SHOW

This great annual show was held November 3rd. to 12th, at the Cours-la-Reine as usual in a huge temporary building constructed for the purpose. The site is a superb one close to the Champs Elysees, along side the Seine, in an open position easy of access and consequently the visitors are legion. The first Sunday afternoon, if fine is a sight, for 30,000 to 35,000 well-dressed, genteel people are crammed into the show and locomotion becomes a difficult matter. Once within the charmed circle the visitor finds himself treading his way along an immense promenade consisting of several parallel paths and along them are the usual exhibits of trained fruit trees, the pride of the French gardener. There are also at intervals nice ornamental hardy shrubs, conifers, etc., in great variety from many of the leading nurserymen of France. In and around this promenade and the show building are the Horticultural Industries, an enormous display, quite a show of itself; greenhouses, summer-houses, frames, garden pottery, statues, vases, fencing, boilers, pumps, garden-tools and accessories, apparatus, etc.

The great feature of the Autumn Show is the fruit. Apples, pears and grapes are staged in vast quantities and the individual exhibits are of enormous extent—far surpassing anything we see elsewhere. The taste displayed by these French fruit exhibitors is essentially their own and the fruit looks all the better for the dainty arrangements mostly adopted. Many exhibits are in splendid glass cases; some are in pretty baskets tied up with colored ribbons and the pears especially are superb. Passing into the great show hall, as we may call it, the visitor goes under a pergola formed of vine branches. Right and left are festoons of vine foliage and under these a series of glass cases containing an immense variety of grapes of all kinds and shapes. In fact nearly all the exhibitors adopted the glass case method of staging, in most instances in very attractive style. One exhibitor alone had a 60 ft. run of handsome glass cases containing a choice assortment of handsome grapes, peaches and pears.

Flowers other than chrysanthemums were freely shown. Almost the first exhibit on entering the show was that by M. Geo. Boucher who put up a group of Clematis. We noted: Xerxes, Ville de Paris, Venosa, Mme. Grange, Gypsy Queen, Mme. Van Houtte, Ville de Lyon, M. Hope and others among the most attractive. There were many dahlia exhibitors, but by far the most important lot was that from Messrs. Cayeux and Leclere. Two large double-faced sloping banks of cactus and decorative dahlias in pyramids was an effective group.

Carnations came from several exhibitors; Messrs. Stuart Low & Co. had a neat little collection staged in good form.

In M. Nonin's big display we noted carnations on one flank. Tuberous begonias, brilliantly displayed on sloping

banks halfway across the show, the colors divided in "vandyked" divisions were well shown in accordance with the invariable practice by the two leading exhibitors Messrs Vallerand and Billard.

Many other flower exhibits were staged. We noticed a pretty lot of lilies from Leon Fonteneau. The Maison Ferard put up a little square bed of cyclamen. There was a nice collection of Hydrangea Hortensis from M. Aug. Nonin; he had varieties Radiant, Vieux Chateau, Mme. Emill Mouillere, Bouquet Rose, etc., in fine heads or bloom.

The chrysanthemum classes were well filled and in the plant section some good entries were made. Vil-morin Andrieux & Co., staged a huge collection of handsomely trained plants in all forms. This was by far the most imposing lot of pot plants in the show and made a grand effect. Aug. Nonin's novelties were numerous, several being certificated. The exhibitors in this section were very numerous, including names of world-wide repute but space forbids these details.

The best cut-bloom exhibit was sent by an Englishman, Thomas Stevenson who put up a lovely exhibit of the finest show sorts. He carried off important prizes in all the classes entered. Paul Labbe had some nice blooms of choice varieties and staged in French style. Other cut blooms were sent by Ch. Gervais, Louis Leclere and Henri Crepin, the latter putting his flowers up in good style and enlivened with Salvia splendens, palms, musa and an edging of achyranthes. The Crepin Challenge Cup value 1000 francs was won by Zimmerman & Sons with a neat little lot of cut blooms. Paul Feron, Morin and Merigen were among others who had noteworthy collections in this section.

The side room allotted to stove plants and orchids did not contain a very large display. Edward V. Low of Vale Bridge, Haywards Heath, showed a collection of Cypripediums.

Messrs. Maron et fils showed in their group: Cattleya Sigurd, Laelio-Cattleya Bright Star, Cattleya Fabia Alba.

Floral art was well sustained. Geo. Truffaut staged vases of roses on a turf lawn in the most effective style. Ed. Debrie, a well known Parisian florist, had some good designs in many examples. The Lachaume firm also sent traditional exhibits. H. Pillon sent a basket of white lilac and arranged a little bamboo arbor, decorated with plants of chrysanthemums.

Only those who know the Paris Autumn Show can form an idea of the way in which vegetables are staged there and the immense variety of the kinds produced. Vil-morin Andrieux & Co., took the premier place. They had an enormous border 60 ft. long by 7 ft. in width containing a grand display of everything in season. The establishment "A la Pensee," also staged a long border of excellent vegetables with the addition of cactus dahlias. A large group of vegetables and saladings was sent by the Ecole d' Horti-

culture St. Nicolas. M. Compoin, in a glass case 35 ft. in length, demonstrated the art of Asparagus culture—quite an instructive object lesson.

Horticultural literature had a section devoted to it as also did the fine arts. A picture gallery was attached to the show in which were exhibited many interesting works of art in oil and water colors.

As soon as the prizes had been awarded—and here we may observe they consist of grand prizes of honor given by the president, M. Fallieres, by the minister of agriculture, of public instruction and other donors, guests and jury are trooped off to the Restaurant Ledoyen in the Champs Elysees. Our American friends who know Paris will understand what it means to lunch chez Ledoyen. It is a feast fit for epicures, let alone a set of hungry jurymen. M. Viger presided, surrounded by the officers of the society and some of the notables of Paris. Among the horticulturists we noticed Abel Chatenay, Albert Truffaut, George Truffaut, Philippe de Vil-morin, Jules Vacherot, H. Martinet, Lucien Chaire, Ch. Arranger, Biot, D. Bois, Gibault, Crepin, but there—we must stop. Two hundred guests filled the dining saloon and if we omit some there can be no wonder.

At length the champagne arrives and speeches begin. M. Chatenay reads out a list of the premier awards of which the following are the most important: First grand prize of honor to Nombrot-Bruneau for his fruit and fruit trees; second grand prize of honor to M. Pinon for trained plants of chrysanthemums; other prizes of honor to Coedonier & Sons for grapes, Salomon & Sons for grapes, Debrie for floral decoration, Calvat for new seedling chrysanthemums, and so on. Complimentary speeches were made by the representative of the minister of agriculture, by the president of the Paris municipal council, by M. Viger, by M. Deloncle, Deputy for the Seine, by M. Lepine chief of the police, and by Harman Payne for the visitors.

C. HARMAN PAYNE.

SHORT COURSE IN FLORICULTURE, MASSACHUSETTS AGRICULTURAL COLLEGE.

The short course in floriculture will be given as usual beginning the 2nd of January and closing on March 8th. The lecture course given in the morning will cover general subjects of interest and value to the commercial florist. The afternoon will be spent in practical work in the greenhouse range. In addition to the lectures given on distinctly floricultural subjects, lectures in soil fertility, botany and entomology will be required and other lectures on field crops, fruit growing, market gardening or landscape gardening may be taken. On Saturdays an observation trip will be taken to some of the commercial greenhouses in the vicinity of Amherst and one trip will be arranged to the commercial places in the eastern part of the state. The practical men who have co-operated so gener-

Boddington's Forcing Gladiolus



GLADIOLUS PEACH BLOSSOM.

GLADIOLUS, Colvillei and Nanus (type)

Plant some of these among your carnations; they will come in handy at any time.

	100	1000
Blushing Bride. Flowers are large, pure white with delicate pink spot. Useful for early forcing.	\$0.75	\$5.00
Peach Blossom. The most beautiful of all the Colvillei type of Gladiolus; the color is a lovely soft pink, on the order of the Killarney rose.	1.00	8.00
The Bride (Colvillei alba). This lovely white miniature Gladiolus makes a useful cut flower for early spring use; will stand forcing.	.75	6.00

Gladiolus Gandavensis Hybrids

Many florists plant these in boxes, or among their carnations, in the winter. They are excellent for decorative purposes and realize good prices, either wholesale or retail. Gladiolus are a good catch crop and take up but little room. The following are the best for this purpose:

	100	1000
America. The flowers, which are of immense size, are of the most beautiful flesh-pink color.	\$3.25	\$30.00
Augusta. The florists' best white Gladiolus:		
First size bulbs, 1 3/4 inches up.	2.00	18.00
Bulbs, 1 1/2 to 1 3/4 inches.	1.75	16.00
Shakespeare. White and rose.	4.75	45.00
May. Pure white, flaked rosy crimson; the best forcer; selected bulbs.	1.75	15.00
Brenchleyensis (true). Flery scarlet; top roots.	1.75	15.00
Selected bulbs.	1.25	12.00
First size.	1.00	9.00
Boddington's White and Light. Extra-selected bulbs, 1 3/4 inches and up.	1.50	14.00
American Hybrids. A mixture of the choicest varieties of Gladiolus.	1.00	9.00

SPIRAEA, or ASTILBE

	Doz.	100	1000
Astilboides floribunda.	\$1.00	\$6.75	\$65.00
Compacta multiflora.	1.00	7.00	65.00
Gladstone. Enormous spikes of pure white flowers.	1.25	9.00	87.00
Queen of Holland. One of the finest, grand florist's variety.	1.25	8.50	80.00
Japonica.	.75	5.75	55.00

SPANISH IRIS (IRIS HISPANICA)

The true value of this Iris appears to have been overlooked in this country. The great diversity of color and its being equally adapted for gentle forcing and massing in beds make it one of the most useful bulbs to plant.

	100	1000
Alexander von Humbolt. Dark blue.	\$0.50	\$3.50
Belle Chinoise. Pure yellow.	.50	3.50
Blanche Superbe. Pure white.	.50	3.50
Blanche Fleur. White with pale center.	.50	3.50
British Queen. Large white; very fine.	.50	3.50
Cajanas. Beautiful deep golden yellow.	.50	3.50
Chrysolora. Pale yellow.	.50	3.50
Darling. Blue; very fine; early.	.50	3.50
Mixed, all colors.	.35	3.00

ARTHUR T. BODDINGTON, Seedsman, 342 West 14th St. NEW YORK CITY

ously in making the course a success during the past few years will again give lectures on their special topics. It is expected that this special lecture course will include talks by W. R. Cobb, Lord & Burnham Company, "Greenhouse Construction," January 5th; R. O. King, King Construction Company, "Greenhouse Construction," January 12th; C. F. Boyle, Thomas Galvin, Inc., "The Retail Trade," January 15th; F. J. Elder, Lord & Burnham Company, "Greenhouse Heating," January 19th; Wm. Sim, Cliftondale, "Violets and Sweet Peas," January 22nd; C. H. Totty, Madison, N. J., "Chrysanthemums," January 26th; W. H. Elliott, Brighton, "Rose Cul-

ture," February 5th; Eber Holmes, Montrose, "Rose Culture," February 9th; M. A. Patten, Tewksbury, "Carnation Culture," February 16th. It is expected this year that a general conference of florists will be held during Farmers' Week which is scheduled from March 11th to March 15th inclusive. At that time it is hoped to have a large delegation of florists present and to have a series of lectures by men of wide reputation. A flower exhibition will be held in connection with this meeting. The expenses for this course will include the registration fee of \$5; furnished rooms in private families may be obtained at a cost of from \$1 to \$3

a week. Board at the dining hall is \$4 a week and it may be obtained in private families for from \$4 to \$5. In addition to these expenses some allowance should be made for expenses on the observation trips. Any additional information may be obtained from Dr. William D. Hurd, Director of Extension Work, Amherst, Mass., or from Professor E. A. White of the Department of Floriculture. Decatur, Ill.—Hail and wind did considerable damage to the greenhouses of N. Bommersbach, 318 N. Water street; Daut Bros., 112 E. Prairie street, and the Harrold Nurseries on Nov. 11.

BOSTON NOTES.

Jackson Dawson is on the sick list this week.

Bennie Schneider, of H. Robinson & Co., lost his wife by death on Monday, Nov. 26.

H. M. Robinson & Co. have built a display case in the Co-operative Flower Market.

J. A. Pettigrew has gone on a two weeks' recreation trip, one week of which has been spent in a visit to his son, Dr. Pettigrew, in Youngstown, Ohio.

Hartford & McDonough, 70 Pemberton Sq., have quite a force making up greens for Christmas trade. This new firm reports business very satisfactory.

A new crimson chrysanthemum, Harvard, from E. D. Smith & Co., more of a Harvard color than Shrimpton, was before the Boston committee of the Chrysanthemum Society of America Nov. 18.

The Beacon Florist, 2 Beacon St., has moved to 7 Beacon St. into Houghton & Dutton's store. Their display refrigerator stands directly in front of one of the entrances. Better light and more trade in the new location, it is said.

Notice the advertisement by Thomas J. Grey Co. of the new and greatly improved Jerusalem Cherry, *Solanum Capsicastrum Melvini*. In this novelty the fruit is not hidden by the leaves but stands erect away from the foliage and crowded towards the tips of the branches. It makes an ideal holiday plant.

The florists' supply department of Welch Bros. has just undergone a thorough renovating and is an exposition in itself of what is newest and best in a practical way for the regular stock in hand of the up-to-date florist. It occupies the entire basement floor of the building at 226 Devonshire street, is brilliantly lighted and well worth a visit. There is nothing worth having that one cannot find there in the line of florists' requisites.

CINCINNATI NOTES.

Bowling, Monday, December 4th, at Finke's alleys.

Geo. Klotter's barn burned early Monday morning. He lost some fine cattle in the conflagration.

P. Weiland, who has a range of glass at New Castle, Ind., opens a wholesale house at 114 Third avenue East in this city on December 1st.

Wm. Murphy opens an "annex" on Third street this week, to facilitate the handling of Christmas greens.

Visitor—Martin Renkauf, representing H. Bayersdorfer & Co., Phila., Pa.

R. Glendenning, writing in The Gardeners' Chronicle, says that *Opuntia Missouriensis* should succeed in Britain if covered with a sheet of glass in the winter, "as it is sometimes subjected to a few degrees of frost growing wild." *Opuntia Missouriensis* is hardy as far north as Massachusetts where zero temperatures and sometimes even lower occur.

PERSONAL.

William Wickham has charge of the Oakwood cemetery, Adrian, Mich.

Vernon A. Sherwood has resumed his position at the greenhouses of Mrs. J. L. Gardner, Brookline, Mass.

Augustus Zirngiebel, formerly of Needham, Mass., is now in the employ of W. A. Manda, as traveling salesman.

Henry I. Tucker, formerly of Hopkinsville, Ky., is now in charge of the sales department of the Pleasant View Greenhouse, Madisonville, Ky.

Herbert L. Betts, for the past two years gardener for J. J. Glessner, Rocks Estate, Littleton, N. H., sailed on the Franconia last week for a visit to his old home in Falmouth, England.

George Shields, foreman for A. Leuthy, Roslindale, Mass., is now convalescing nicely after a long siege of pneumonia, during which his life was despaired of, he having suffered a relapse.

All will be glad to know that James Bell is out of the hospital and home with his family at Crawford, N. J. Though weak after all his trials and troubles he hopes soon to be among the many friends who sympathized with him.

The many friends of that sterling gardener, William Anderson, South Lancaster, Mass., will be sorry to learn that owing to trouble with his nostrils he has had to undergo an operation in a private hospital in Boston on Monday last. He expects to be over the worst of it in a week and to meet the boys at the New York gathering.

Boston visitors—D. Cameron, representing Sander & Son, St. Albans, Eng. Mr. Cameron will sail for home on Dec. 16; Ernest Chamberlain, New Bedford, Mass.

Philadelphia visitors—J. W. Scalian, Chester, Pa.; W. C. Langbridge, representing Jerome B. Rice & Co., Cambridge, N. Y.; Joseph N. King, Norristown, Pa.; Horace Rimby, Collegville, Pa.

DURING RECESS.

Chicago Bowling Score Nov. 22.

CARNATIONS.		ROSES.	
Wint's'n.	120 161 166	Schoman,	102 153 128
Ayers,	128 113 150	Stack,	107 142 129
Balluf,	145 191 146	Freund,	156 170 147
Schultz,	123 148 123	Wolf,	148 171 144
Zeck,	96 196 186	Fischer,	145 137 156
ORCHIDS.		VIOLETS.	
Huebner,	159 136 159	Byers,	122 159 90
Graff,	150 145 141	Fink,	103 101 106
Krauss,	141 141 142	Wint's'n.	119 103 140
Farley,	102 96 123	Friedm'n,	110 131 139
J. Zeck,	166 160 153	Peerster,	178 158 173

New York Bowling Scores Nov. 24.

Ch'dwick,	246 200 188	Fenrick,	198 160 223
Manda,	110 165 143	Rickards,	131 122 152
Young,	163 132 145	C. Scott,	99 141 142
Shaw,	121 127 134	Kakuda,	149 163 108
Holt,	127 113 148	Moltez,	123 135 112
Marshall,	182 143 140	Nugent,	91 — —
W. Scott,	122 — —	M'kenzie,	125 — —
Donlan,	122 — —	Everitt,	175 — —

DONLAN.

CHICAGO NOTES.

The D. D. Johnson Co. expect to have matters in shape so that an announcement may be made by the New Year and the Evergreen Brand Fertilizer will be manufactured in larger quantities than ever before.

Poehlmann Bros. are about to move from the corner of Wabash avenue and Randolph street, to 72 E. Randolph street, second floor, where they will have three times their present floor space.

John Kidwell, president of The Chicago Flower Growers' Association, is very optimistic on the outlook for the winter. He says business at the new place is fully up to what he had anticipated.

The E. H. Hunt Co. has made arrangements for the exclusive handling of the baskets and novelties of one of the largest manufacturers in Germany. They will have a full line of samples here by January 1st.

Jas. G. Hancock, who presides over the office for Frank Oechslein, is serving as juror this week. A trip to the Oechslein greenhouses always pays, but especially now while the holiday stock of plants is daily getting to be in that state of perfection rarely equalled by any other grower. Mr. Oechslein grows plants only and his is Chicago's show place in that line.

Visitors: Jos Labo, Joliet, Ill.; Mrs. A. Guillaume and son, La Crosse, Wis.; Mr. Kreimer of the Duluth Floral Co., Duluth, Minn.

BALTIMORE NOTES.

Geo. F. Lurssen has opened a branch floral store on Baltimore street.

John Cook, Baltimore's great rose grower, will soon go to Miami, Florida, where he usually spends his winters.

Indications point to the greatest horticultural show the state has ever had, next week. All available space in the big Armory has been taken.

Capt. Emerson, proprietor of Baltimore's greatest hotel, just opened, has purchased "Brooklandwood," a large estate in Green Spring valley. Chas. L. Seybold, formerly superintendent of Carroll Park, is engaged to do some landscape work on the place, and has already commenced. Immense green houses will be erected where raising vegetables in winter will be one of the specialties. Palms and other decorative plants will also have especial attention.

ST. LOUIS NOTES.

Chester Beyer of Beyer Bros. is again laid up with a lame foot and is confined to his room at his residence on South Grand avenue.

Wm. Young had a narrow escape from being killed last week in an elevator in an office building, but luckily he came out with only a few scratches about the head.

Visitors the last week were Martin Renkauf of H. Bayersdorfer & Co., Phila.; J. J. Karins of Dreer's, Phila.; J. P. McFarrom, Litchfield, Ill.; Wm. P. Craig of Robt. Craig Co., Phila.; Fred Lempke of Barnard & Co., Chicago. All report good business trips.

DREER'S SPECIAL VALUES IN PHOENIX ROEBELENI



Our stock of this beautiful, graceful, **hardy** Palm is in prime condition and of good value.

PHOENIX ROEBELENI. Specimens

6 in. pots, 1½ ft. high, 2 ft. spread	\$2.00 each
8 in. tubs, 20 to 22 in. high, 24 in. spread .	3.00 each
8 in. tubs, 2 ft. high, 2½ ft. spread heavy .	5.00 each
12 in. tubs, 2½ ft. high, 3 ft. spread heavy .	12.50 each
14 in. tubs, 3 ft. high, 4½ ft. spread heavy .	35.00 each
15 in. tubs, 3 ft. high, 6 ft. spread heavy . .	50.00 each

A nice lot of young plants in 2¼ inch pots for growing on. \$1.50 per dozen; \$12 per 100; \$110 per 1000.

For a complete line of Seasonable Decorative Stock see our Special Circular of October 12th. If you did not receive a copy write us and we will send you one.

Are you interested in Dahlias, either as a cut-flower proposition or for cataloging? If so send for our Special Wholesale Catalogue of Dahlias quoting special prices on field roots for early orders.

HENRY A. DREER, Inc., 714 Chestnut Street, Philadelphia, Pa.

The above is intended for the trade only.

NEWS NOTES.

Ilion, N. Y.—Fire destroyed the greenhouses of Gordon Bros., florists, Gordon place, on Nov. 21. Loss about \$2,000.

Bloomsburg, Pa.—A water tank with a capacity of 20,000 gallons has been installed at the Fifth street greenhouses of J. L. Dillon.

Lyons, N. Y.—Herbert M. Whiting of Geneva has filed a certificate to do a nursery business in Wayne county as the Whiting Nursery Company.

Rome, N. Y.—The plant recently occupied by Kipp & Edwards is again occupied by E. J. Byam, the owner. He has engaged Joseph Watkins as grower.

Brookline, Mass.—F. E. Palmer has purchased twenty-five acres of land near town and will eventually move his greenhouses there. He is starting a nursery to supply his landscape department.

Painesville, O.—The Painesville Garden & Greenhouse Co., recently incorporated, is a new firm that will take up mainly the forcing of vegetables. They expect to be ready for business by the fall of 1912. At present they have four greenhouses that cover about three-fifths of an acre of land and they cultivate five acres. A. E. McKee is president; S. T. Potts, vice-president; E. H. Hawley, secretary, and Ed. Wirtzman, treasurer.

"JARDINAGE."

Here is another new candidate for public favor and those of our readers who are interested in French horticulture will find in it a most artistic and well gotten up publication. The new journal is a monthly one and the sub-

scription is 6 francs for readers outside France. The text and illustrations are really done in very nice style, the articles are by well known French writers, viz: Messrs. Geo. Truffaut, E. de Gas, Jules Vacherot, Ph: de Vilmorin, Geo. Bellair, etc.

The office of the new journal is 90 bis Avenue de Paris, Versailles. The editorial department is under the care of our old friend George Truffaut, to whom we wish all success in his new undertaking.

FLORISTS' HARDY SUPPLIES

Dagger and Fancy Ferns, Moss,
Galax, Laurel Roping, Southern
Smilax, Boxwood, Etc.

Hartford & McDonough
70 PEMBERTON SQ., BOSTON

IN THE SWIM

*I must be in the swim,
You might forget my name,
And say that I am to blame.
If you do not get the best.*

Christmas Trees, Spruce or Balsam, from one foot to thirty, in any quantity; Baled Spruces, Balsam, Hemlock Boughs, Laurel and Evergreen Festooning and Wreaths, Sphagnum Moss, Hardy Cut Fancy and Dagger Ferns. Yearly Contracts Made. Send for Price List and order your Christmas Trees now. **GET THE BEST.**

H. J. SMITH, Hinsdale, Mass.

Don't Be Delinquent

In sending your advertising copy for the Special Holiday Number of Horticulture next week.

Your Copy

Should be in this office Monday night or not later than Tuesday.

Write, telephone or telegraph,

But Be On Time

ROEHRS
Azaleas, Palms, Lorraines,
Crotons
RUTHERFORD, N. J.

CLUBS AND SOCIETIES

AMERICAN ROSE SOCIETY.

Detroit Exhibition.

Detroit flower people are wide awake in giving full local notice to their 300,000 people that the American Rose Society will arrive in the city January 10, 11 and 12, 1912. The premium list is out and any additions as specials will be placed therein as fast as they come, because for years past these specials have been given even up to the very last days. Twenty-four persons have subscribed to the guarantee fund; Chicago people will do their best and this means a great deal.

A public show of this kind in which roses, carnations and local treasures will combine to fill the large crystal palace, known as the Wayne Pavilion, is certain to be so attractive in a city of homes and gardens like Detroit that the place will be well filled. Wallace R. Pierson has been on a missionary tour of good will from East to West.

Do you know that the American Rose Society has only granted two gold medals—the last one was voted to M. H. Walsh and this medal of pure gold was duly forwarded to him. And herein lies a bit of affection. When the name of the rose for which the medal was given was asked, Mr. Walsh remembered his wife and named what is said to be the finest white rose, Mrs. M. H. Walsh.

The Executive Committee will meet shortly to go over all details pertaining to the coming annual meeting; several committees will have reports to make.

BENJAMIN HAMMOND, Secy.
Fishkill-on-Hudson, N. Y.
Nov. 27, 1911.

DETROIT SHOW PREPARATIONS.

Mr. Dilger, manager of the coming show of the Rose and Carnation Society, keeps the various committees hustling and stirs up something new every day. He brought out one point which ought to be looked into by the S. A. F. It seems that almost everything like horses, cattle, machinery, etc., etc., can be brought into the U. S. free of duty if for exhibition purposes. Not so with the product of the florist. On all flowers and plants an ad valorem duty of 25 per cent must be paid, even if cut flowers are to be thrown away or given to charity after an exhibition. It seems that proper steps taken by the legislative committee of the S. A. F. ought to be successful in having the florists' product placed on the same basis as the farmers' product. Mr. Dilger also desires it to be known that small spaces—say 200 square feet—may be rented by plant growers for displays during this convention, as also spaces for banners. There being but very few opportunities of this kind, it will be necessary to make application for such space to Mr. Dilger, 36 Broadway, at an early date.

FRANK DANZER.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

Better Flower Deliveries Secured.

The following supplementary report of the Tariff and Legislative Committee has been forwarded to Sec'y Dornier of the S. A. F., by Chairman John G. Esler of that committee:

The Tariff and Legislative Committee of the S. A. F. and O. H., are able to announce that in the controversy with the United States Express Co., which has been going on during the past six months, over the inefficient delivery of cut flowers, the company has acceded to the representations of the committee, and has established a satisfactory and efficient delivery, without an appeal to the Interstate Commerce Commission.

The chairman desires to state that if the florists of the country could only understand the effectiveness of concrete action, over individual effort, in dealing with corporations, every producer of, and dealer in, floral products, would become a member of the S. A. F. and O. H. forthwith.

JOHN G. ESLER,
Chairman.

GARDENERS' AND FLORISTS' CLUB OF BALTIMORE.

The Gardeners' and Florists' Club of Baltimore held an interesting meeting Monday night. Several new members were added to the list. F. C. Bauer gave a detailed talk of a trip he recently made in Europe. He talked mainly on things of especial interest to florists. Philip B. Welsh was elected a delegate to the Farmers' League, which will meet here during the annual exhibition of the State Horticultural Society. Next March will be the 25th anniversary of the club. The president was authorized to appoint a committee to arrange an appropriate programme to celebrate the occasion.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Report of Examining Committee.

Exhibited by Elmer D. Smith & Co., Adrian, Mich., at Boston, Nov. 20th. Variety, "Harvard"; crimson Jap. Scored 87 points commercial scale and 84 points exhibition scale.

The variety exhibited under number at New York, Nov. 1st, by A. C. Van Gaasbeck, Orange, N. J., has been named Helen Van Gaasbeck. The Pompon variety of Hartje & Elder, Indianapolis, Ind., has been named Fairy Queen.

CHAS. W. JOHNSON, Sec.

Notes.

The Minnesota State Horticultural Society will hold its 45th annual meeting in Minneapolis, on Dec. 5-8, 1911. A big fruit show is promised. "Meet us at the great horticultural feast."

The New York Gardeners' Society's Reunion Dinner and Entertainment will be held in the afternoon and evening of Dec. 21st, in Thum's barometer rooms and bowling alleys, 1241 Broadway. This will be a great and jolly

gathering of the principal gardeners and those engaged in horticulture within a radius of one hundred miles of New York city. A large and representative committee has been appointed to cover the several sections, with Joseph Manda, W. E. Marshall and J. Ivera Donlan to act as central committee in the city.

WASHINGTON NOTES.

H. L. Lausher, with Z. D. Blackstone, has just returned from a short trip through Maryland and Virginia.

Otto Bauer of the Washington Florists' Co. has been selected as one of the judges of the exhibits of flowers during Maryland Week at Baltimore, December 4 to 9.

Gude Bros. exhibited a fine selection of chrysanthemums and American Beauty roses at the Maryland-Virginia Apple Show held in the Masonic Temple during the week.

J. Henry Small has been named as a member of the executive committee of the Washington Board of Trade, and he and William F. Gude are also members of the Sleman Memorial Committee.

A very interesting meeting may be expected on Tuesday, December 5, when the Florists' Club of Washington will again get together. A number of important matters will be brought up for discussion and a large attendance is expected.

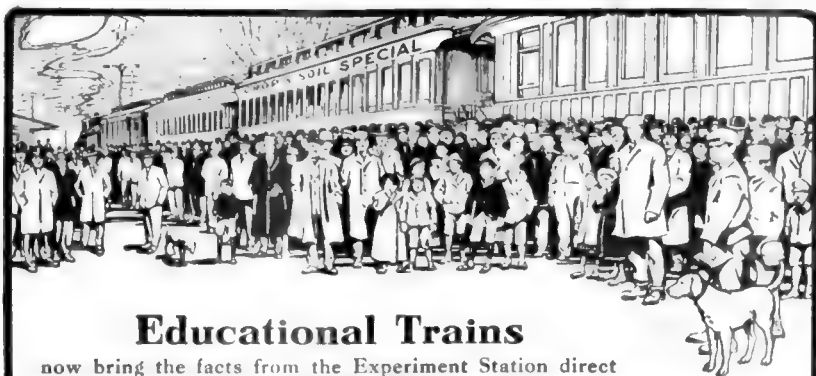
Michael J. McCabe, who operates a stand in the Center Market, has opened a branch in the Riggs Market. His son, Harry, will be in charge of the latter place. The opening was marked with a fine showing of Killarney and Richmond roses.

Shipments of fertilizer to points on the Potomac River are running very heavy and on each trip of the steamers from Alexandria to the lower Potomac points many hundreds of bags are carried. Alexandria fertilizer plants are getting their share of the business, the rest coming from Baltimore and other points. It is believed these heavy shipments will continue for a long time to come.

Walter Gordon has severed his connection with the Washington Florists Co. and has entered the employ of James A. Phillips, 2926 Fourteenth Street, N. W. The Washington Florists Co. have also lost from their employ Miss Mattie Williams, who, for a long time, was their bookkeeper and saleslady. She is receiving the congratulations of her friends on her marriage to Mr. Richard Garrett. After an extended honeymoon the couple will reside in Wilmington, N. C., where the groom is located.

The Washington Florists Co., have a prize-winning window trim this week which is very suggestive of the season. In the centre, suspended from the ceiling, is a gigantic horn of plenty from which seems to come tumbling in an artistic manner, a number of pumpkins, ears of corn and large yellow and white chrysanthemums, suitably set off with greens. On either side of this small rustic baskets of Killarneys and other roses are placed, as is also a large rustic box of orchids. Surrounding the flowers are bunches of corn stalks and more pumpkins and the whole is arched over with twigs and autumn leaves.

CLARENCE L. LINZ.



Educational Trains

now bring the facts from the Experiment Station direct to the Farmer.

The Experiment Station men are anxious to discuss the questions of most value to the people along the routes. Ask them to bring along an exhibit of fertilizer materials and to tell you how to get the most plant-food for your money.

Recently one train gave demonstrations of actual fertilizer mixing. Soon many will do so. Take your fertilizer dealer to these trains. Ask him to sell **Potash Salts** and brands containing six to ten per cent. Potash.

We shall be glad to send you, free, pamphlets prepared by the best practical authorities on fertilizers for various crops and soils. Write today, mentioning crops and soils that you wish to improve.

GERMAN KALI WORKS, Inc.

Continental Building, Baltimore

Monadnock Block, Chicago

93 Nassau Street, New York

Seed Trade

American vs. English Grown Sweet Peas.

The following interesting communication has been sent to the trade press of Great Britain by George W. Kerr. I can cordially endorse same as it thoroughly agrees with knowledge gained from my own training in Europe and my subsequent experience in America extending over a period of 28 years. Any Britisher who doubts the superiority of American-grown seed either in strain or vitality should consult what that experienced Englishman, Edwin Lonsdale, has to say of the extraordinary results in size and perfection of bloom attained in that favored spot—the Lompoc Valley in California, with the sweet pea. I saw some of the Hemus samples at Fordhook trial grounds last summer. They were nothing to brag of. Very much mixed and not true to description. I believe Lompoc Valley is the sweet pea "paradise."

GEORGE C. WATSON.

Gentlemen:—A few days ago I received a very daintily gotten up Sweet Pea Catalog from England and, being a great admirer of our Queen of Annals and always thirsting for further knowledge pertaining thereto, I immediately proceeded to consume its contents and, having done so, feel it my duty to unburden myself on some remarks contained therein.

The introduction contains some rather sweeping assertions, some of these apparently being directed against the stocks of other Sweet Pea specialists, but the first to hold my attention was the following statement: "The public are then sold seed grown in the soft climate of California, which seed is not, I maintain, best calculated to stand the trying vicarities of the English climate."

I would not say that California-grown Sweet Pea seed was better than the English seed, but I have very little of the latter for some time past, judging by the many English varieties we try each year, the germinating percentage are "way down," though I must not say that the seed received from the growers are all that could be desired, mentioning the "donosti" (some grown in Spain).

Last season I handled four or seven varieties from the firm who sent me the catalog referred to above. The packets contained in all 100 seeds, 250 of which germinated. Twenty three of the varieties were true to description, though most of

these were practically synonymous with or inferior to existing sorts, the only difference being the name; eight were so mixed that it was impossible to tell what was intended for the variety; thirteen were entirely Grandifloras, although sold as Spencer; of three varieties no seeds germinated. The seed was carefully planted in pots during February and given cool greenhouse treatment. California seed planted on same date and under identical conditions germinated 95 per cent. And yet this grower has the audacity to criticize American-grown seed, apparently forgetting that it were better to "consider the beam that is in thine own eye" ere attempting to remove the mote from thy brother's eye.

It is clear that the writer of the assertions in question has no earthly idea of the seed-growing conditions of California, or such a statement would never have been made; for, as a matter of fact, the conditions there are ideal for the production of perfect seed, and as the temperature is equable, neither too hot nor too cold, the resulting crops are unsurpassed, having the highest germinating qualities and being full of vigor. The seed is planted during February, the temperature at that time and during the earlier stages of growth ranging from 40 to 50 deg. Fahr., while during the summer and ripening period it seldom goes above 75 to 80 deg. Fahr. As a rule there are no rains after April, but during July and August heavy fogs come in from the sea each night, thus supplying all the moisture required for the growth of the plant and also preventing the pods from bursting and ripening prematurely. As regards the soil, it is questionable if it has its equal in the world, the depth of virgin (2) soil in some localities being hard to determine and as no artificial fertilizer of any description is used, the Sweet Pea in California develops a natural growth, never being forced by stimulants, the result being that disease is practically unknown.

In introduction, paragraph No. 4, the grower further says: "An untrue stock always again produces rogues, even when the seed is saved only from flowers true to type." Is this new Sweet Pea gospel, or bluff to catch the penny of the glibble public?

Paragraph No. 8 hits your National Sweet Pea Society rather heavily. I was always under the impression that that body, which contains several personal friends of mine, was doing good and thoroughly impartial work.

Trusting you will find a letter for you above in an early issue of your paper. I am,

Yours truly,

G. W. KERR

Dorchester, Pa., Nov. 1, 1911.
Excerpt from Sweet Pea List of William J. Unwin, Histon, Cambs., England, Autumn, 1911.

As several of the very best Sweet Peas cannot be saved successfully in this country, I have during the last two seasons been experimenting in California. I found the seed first class, is really germinating

Horseshoe Brand Bulbs for immediate shipment

FORMOSUM

6/7	\$10.00	per case.....	350	bulbs
6/8	15.00	" "	370	"
7/9	18.00	" "	300	"

GIGANTEUM

6/8	\$20.00	per case.....	400	bulbs
7/8	21.00	" "	350	"
7/9	22.50	" "	300	"
8/10	25.00	" "	250	"
9/10	24.00	" "	200	"
10/11	22.50	" "	150	"
11/12	22.00	" "	130	"

ALL f. o. b. NEW YORK

Terms 3 months or 5% for cash with order. Cold Storage deliveries at any time during the season. Fall deliveries of advance orders for Japan Lily Bulbs can be made f. o. b. New York, Pittsburg, Chicago, Cincinnati, Memphis and Toronto. Deliveries in other cities can be made in lots of 250 cases, upwards.

Write us



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LATE DUG FORMOSUM

Fine Large Bulbs Thoroughly Ripened

	Per 100	1000
7-9 in. (250 bulbs to case)	\$7.50	\$65.00
9-10 in. (200 " ")	\$11.00	\$100.00

A. HENDERSON & CO.

30 E. RANDOLPH ST., CHICAGO

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SUMMER FLOWERING BULBS

Send for Trade List

John Lewis Childs

Flower - LONG ISLAND, N.Y.

Gladioli, Lilies, Iris, Madeira Vines, Cinnamon Vines

and other Summer Flowering Bulbs

Send for list

E. S. MILLER

Wading River, N. Y.

In ordering goods please add "I saw it in HORTICULTURE."

FREE
NICOTINE AND
TOBACCO POWDER
SEE W. A. STOOTHOFF CO. ADVERTISEMENT ON

HEADQUARTERS FOR CHRISTMAS GREENS

Special Selected Grades for Florists.

HOLLY — MISTLETOE — LYCOPODIUM

WREATHS — Laurel, holly and lycopodium.

ROPING — Laurel and lycopodium.

MOSS — Green lump and sheet.

And all other specialties for the Holidays.
Special circular with prices mailed to all.

HENRY F. MICHELL CO. 518 MARKET STREET, PHILA., PA.



powers, and it produced splendid plants. Previous to this season Mr. F. Cooper, formerly of Histon, managed my stocks, but as I was growing a much larger quantity this year, my expert foreman, Mr. G. H. Burt, went out to take charge. He arrived in April before the plants were in bloom and stayed until all the seed was harvested. Under the care of Mr. Burt my customers may rest assured that stocks will be true to name. Every pod of seed is gathered by hand, in the same way as is done at home. Mr. Burt writes: "I wish I could send you a bunch of each variety, as the blooms are grand and we have no disease on any variety."

Growing my own seeds in California has been a great expense, but I found it was the only course to take, so as to offer good, plump seed of these poor seeders at a reasonable rate.

Maine Seed Improvement Association.

The Maine Seed Improvement Association held its annual session at Waterville on Tuesday, Wednesday and Thursday, Nov. 21-23. Addresses on The Best Type of Field Corn for Maine Farmers, by Dr. G. M. Twitchell of Auburn; Prof. M. E. Barnes of Cornell University, on Developing Disease Resistant Strains of Plants, and by Dr. Raymond Pearl on Potato Improvement, were among the most interesting parts of the program. An immense amount of business was transacted. Among the resolutions adopted was the following:

Resolved, That in the opinion of the association, the most urgent need at the present time for the improvement of the crops of Maine is to obtain exact scientific knowledge as to what varieties or strain of seed of our common crops are best suited to the local conditions of soil and climate in different parts of the state. To this end the association would recommend the carrying out as soon as possible of accurate scientific and widely distributed variety tests of the best strain of seed now to be obtained in any part of the world. As a beginning of the work the association would endorse the cooperative variety tests of oats now being conducted by the Maine Agricultural Experiment Station, and desires to record its willingness to cooperate in these tests, and would urge the extension of such tests to other crops at as early a date as may be feasible.

Resolved, That the executive committee is hereby instructed to consider carefully the question of premiums and methods of offering premiums at the future annual meetings or at other exhibits as the association may determine, with a view of formulating a plan whereby expressions of appreciation should be placed upon the minds of the growers of crops to be improved.

Notes.

Chicago, Ill.—About Feb. 1 the W. W. Barnard Co. will move to 231 to 235 West Madison street.

A leading New Zealand firm informs an American consular officer that it

would like to arrange connections in the United States for the import and export of grass seeds. This firm's address may be obtained on application to the Bureau of Manufactures, Washington, D. C., referring to the file number, 7641.

Little Rock, Ark.—A new wholesale and retail seed business is about to open here, to be known as the Bain-McLees Seed Co. The company is composed of R. M. Bain, formerly manager of the Modern Gin and Compress Co., and David McLees, formerly of the Charles Leifer Seed Co. A location has not yet been decided upon.

Louisville, Ky.—The Hall Seed Co., whose incorporation was reported in HORTICULTURE Nov. 18, is the incorporation of the retail department of the Southern Seed Co., as a matter of convenience, so as to enable them to give W. P. Hall, who has been manager of that department ever since it was organized, an interest in the business. A small amount of stock has been sold to W. P. Bunton, formerly manager of the implement department of Wood, Stubbs & Co., seedsmen of Louisville. Physically there has been no change whatever in the business, Edwin C. Foltz retaining the controlling interest the same as in the Southern Seed Co.

SEEDS, PLANTS, BULBS

All seasonable kinds of best quality

Special prices on large lots

JAMES VICK'S SONS,
Seedsmen
ROCHESTER N. Y.

TOMATO SEED.

BEST STOCKS. ALL VARIETIES.

Surplus List now ready.

Contract Offer for 1912 ready Dec. 1st.

The Haven Seed Co.

Growers for Wholesale Trade Only.
SANTA ANA, CALIFORNIA.

KENTUCKY BLUE GRASS

Fancy New Crop
\$3.00 bu.

December Shipment

This special price
for a SHORT TIME
ONLY. Samples
sent on request.

J. BOLGIANO & SON
Wholesale Seedsmen
Baltimore, Md.

FRENCH VEGETABLE SEEDS

Lettuce, Imported Big Boston; Forcing Lettuce (black seeded); Radish, Scarlet Globe, White Tipped Scarlet Turnip; Beet, Crosby; Cabbage, Early Flat and Savoy; Celery, Self-Blanching and Green; Beet, Spinach, Endive, etc., the same varieties as the market gardeners of Paris use.

BEAULIEU, Woodhaven, N. Y.

100,000

FORCING TOMATO PLANTS

in 2½ inch pots at \$20.00 per M in the following varieties: Comet, Sutton's, Winter Beauty, Sutton's Best Of All, Sutton's Abundance, Sutton's A 1.

Cabbage and Lettuce Plants in unlimited quantities and best market varieties.

FOX HALL FARM, NORFOLK, VA.

ONION SETS

HEADQUARTERS FOR THE EAST.
We carry large stocks of choice quality at both our Orange, Conn., and New York City houses. Full line all varieties of Garden and Flower Seeds. Trade List on application.

D. WOODRUFF & SONS,
82 Dey Street,
Orange, Conn. New York City.

A PLANT NOVELTY

That everybody will want.

Solanum Capsicastrum Melvini

The best introduction in Holiday Plants, for years. A money-maker. Plant dwarf, bushy, 12 to 15 in. high, covered with brilliant scarlet berries, conical shaped and carried well above the dark shining foliage.

Awarded First Class Certificate by Mass. Horticultural Society and Gardeners' and Florists' Club of Boston.

Sow seeds in Jan. or Feb. for next Christmas. Ten packets, \$1.50; 100 pkts., \$12.50.

THOMAS J GREY CO.

32 South Market St., Boston



PEAS, BEANS, RADISH } Growers for the Trade
and all Garden Seeds

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226-230 W. KINZIE STREET, CHICAGO

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Write for Prices



Wholesale Growers of

Onion, Lettuce, Sweet Peas
and other California Specialties

C. C. MORSE & CO.

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BRIDGEMAN'S SEED WAREHOUSE
RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

CANE STAKES

AMERICAN, bundle 500, \$3.00; 1000, \$5.50.
BAMBOO from Japan, 100, 65c.; 1000, \$5.50.

The W. W. Barnard Co.

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NEW CROP SEEDS ARE IN

(Less 10 per cent. if cash is sent with order.)

Asparagus Plumosus Nanus, greenhouse grown \$4.00 per 100 seeds.
Salvia Bonfire, 25c. Tr. Pkt. \$2.00 oz.
" Splendens, 15c. " " \$1.50 "
Verbena Mam. choice mixed 15c. " " \$1.50 "

ROMAN J. IRWIN
3097 Broadway, NEW YORK, N. Y.

PRINTING

Fruitmen, Horticulturists and Poultrymen should get their printing done by specialists. Write for prices to THE REX CO., Harrisburg, Pa



FRESH CROP ASPARAGUS PLUMOSUS NANUS SEED

(Greenhouse grown.) Due in December. We are now booking orders for both greenhouse and outside grown Asparagus Plumosus Seed. Write us.

S. S. SKIDELSKY & CO.
1215 Betz Bldg. Philadelphia.

Burpee's Seeds PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

COMPLETE STOCK FRENCH AND DUTCH BULBS

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

Farquhar's Flower Seeds for The Florist

Write for our Wholesale
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R. & J. FARQUHAR & CO.
Boston, Mass.

Established 1820

Thorburn's Bulbs

We offer high grade stock of the following while unsold:

LILIUM HARRISII, 7-9 inches in circum. at \$17.00 per case of 250 bulbs.
WHITE ROMAN HYACINTHS, 12-15 cts., at \$18.00 per 1000.
PAPER WHITE GRANDIFLORUS NARCISSUS, at \$8.00 per 1000.

Cash with order.

Only a limited supply left so speak quickly.

J. M. THORBURN & CO.
33 Barclay Street
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...THE...

J. C. Robinson Seed Co. Waterloo, Neb.

Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin Seed; Sugar, Flint and Field Seed Corns.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
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COLDWELL LAWN MOWERS

Hand—Horse—Motor

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will carefully execute orders for Kansas City and any town in Missouri or Kansas.

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304 Main Street, Buffalo, N. Y.

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Of Interest to Retail Florists

RETAIL.

Benton Harbor, Mich.—A. J. Youngs has sold his flower business to Thomas Heaven.

Lowell, Mass.—The flower store of R. A. Griffith, Bridge street, was slightly damaged by fire on Nov. 23.

Washington, D. C.—The Flower Store, 2926 Fourteenth street, is to move to Fourteenth and Harvard streets soon.

Oakland, Cal.—The store of the California Evergreen Co. has been moved to San Pablo and Fifteenth streets, from San Francisco.

Chicago, Ill.—Wm. Kotschonis is now sole proprietor of the White House Florist, 132 N. Wabash avenue, having bought out his partner, T. Callos.

STEAMER DEPARTURES

Allan.

Scotian, Boston-Glasgow....Dec. 7

Atlantic Transport.

Minnetonka, N. Y.-London...Dec. 9

American.

St. Paul, N. Y.-S'hampton...Dec. 9

Cunard.

Campania, N. Y.-Liverpool...Dec. 6

Franconia, Boston-Liverpool...Dec. 12

Carmania, N. Y.-Liverpool...Dec. 13

Holland-America.

Potsdam, N. Y.-Rotterdam...Dec. 5

N. Amst'rd'm, N. Y.-R't'd'm...Dec. 12

Hamburg-American.

K. Aug. Vic., N. Y.-H'm'b'rg...Dec. 12

Leyland.

Armenian, Boston-Liverpool...Dec. 9

North German Lloyd.

NORTH GERMAN LLOYD

Gr. Kurfirst, N. Y.-Bremen...Dec. 7

Berlin, N. Y.-Mediterranean...Dec. 9

P. Fr'd. W'h'm N. Y.-Br'm'n...Dec. 9

Red Star.

Zeeland, N. Y.-Antwerp...Dec. 13

White Star.

WHITE STAR

Avila, Boston-Liverpool...Dec. 5

Cedric, N. Y.-Liverpool...Dec. 5

Majestic, N. Y.-S'hampton...Dec. 9

Cuth, Boston-Mediterranean...Dec. 9

Chicago, Ill.—The business of Matthews & Co., 206 East Fifty-Eighth street, has been discontinued.

New Rochelle, N. Y.—The greenhouses of Siebrecht & Son, florists, were broken into on Nov. 22 and many chrysanthemums stolen.

NEW FLOWER STORES.

Louisville, Ky.—Mrs. M. D. Reimers, The Seelbach.

Los Angeles, Cal.—Freeman & Lewis, 212 W. Fourth street.

Montreal, Ont.—Bode & Jensen, St. Catherine street, near Crescent.

Los Angeles, Cal.—The Freeman-Lewis Co., 212 West Fourth street.

Cleveland, O.—Wilhelmy Bros., 105th street and Euclid avenue, branch store.

Washington, D. C.—George H. Cooke, 1100 Connecticut avenue, branch store.

J. A. VALENTINE, Denver, President.
W. J. PALMER, Buffalo, Vice-President.
W. E. ROCK, Kansas City, Treasurer.

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Flower Deliveries

In Brooklyn and other Long Island Points, New York City, New Jersey, etc. At Theatres, Hotels, Steamers or Residences.

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Fulton St. and Greene Ave., Brooklyn, N. Y.

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Special Deliveries Niagara Falls and Lockport

THE ROSERY

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FLOWER DELIVERIES FOR ALBANY AND VICINITY

ALBANY, N. Y.

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Flowers or Design Work

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JACOB SCHULZ.
550 South Fourth Ave.

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To Display Your Christmas and New Year's Attractions

The prospective buyers are out and about. Have the goods ready to show them. We have an endless line of Novelties for the Holiday trade. Fix up your window with our natural prepared beech sprays, statice and similiar material that never dries up and needs no attention or renewal. *Write now while you have time to attend to it. "Nuff said."*

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You both will profit by using McCray Refrigerators. Don't cut down prices because of spoilage. Stop the spoilage. Our patented refrigeration will keep your stock fresh because of the perfect circulation of cold, dry air.

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Are made not only in stock sizes but are built-to-order to suit your requirements. Write to-day for our Free Catalog No. 72 which will give you ideas to help you add to the attractiveness of your establishment.

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FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points to

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TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN

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BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your retail orders to

EDWARD MACMULKIN

194 Boylston Street, Boston

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Albany, N. Y.—The Rosery, 76 Maiden Lane.

Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edw. MacMulkin, 194 Boylston St.

Boston—Penn. the Florist, 37-43 Bromfield St.

Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.

Buffalo, N. Y.—Palmer's 304 Main St.
Buffalo, N. Y.—S. A. Anderson, 440 Main St.

Chicago—Williams J. Smyth, Michigan Ave. and 31st St.

Denver, Col.—Park Floral Co., 1643 B'way
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.

Kansas City, Mo.—Samuel Murray, 912 Grand Ave.

Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.

Indianapolis, Ind.—Florists' Telegraph Deliveries, 241 Massachusetts Ave.

Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.

New York—David Clarke's Sons, 2139 2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—Young & Nugent, 42 W. 28th St.

New York—Dards, N. E. cor. 4th St. and Madison Ave.

St. Paul, Minn.—Holm & Olson.

Toronto, Can.—J. H. Dunlop, 96 Yonge St.

Washington, D. C.—Gude Bros., 1214 F St.

Wellesley, Mass.—Tailby.

Worcester, Mass.—L. H. Lange, 407 & 409 Main St.

Worcester, Mass.—H. F. A. Lange.

Gibson City, Ill.—Hammond & Wadswell are the new proprietors of the Swan Peterson Floral Co.

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Delivers to all Points in New England.
125,000 square feet of glass

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"THE HOME OF FLOWERS"

The largest cut flower store in America. Orders for the TWIN CITIES and for all Northwestern points given prompt attention.

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

WELLESLEY COLLEGE

Jana Hall, Walnut Hill and Rockridge Hall schools. **TAILBY, Wellesley, Mass.**
Tel. Wellesley 44-1 and 2. Night 44-3

Dayton, O.—The Westwood Floral Co., William Phebus, proprietor, suffered severely from the heavy wind storm of Nov. 11 and 12. None of his greenhouses were saved and his stock was all frozen. A summer's labor and stock that represented about \$2,000 was a total loss.

A Large Supply of SPECIAL BEAUTIES 36-in. Stems and Over

The best in price, and quality; fine large buds, good foliage.

BOUVARDIA PINK AND RED

A fresh supply every day. Include some of this in your next order.

BOXWOOD Per 50 lb. Crate, \$7.50

The Leo Niessen Co.

WHOLESALE FLORISTS

N. W. Corner
12th and Race Sts., **PHILADELPHIA**

To Cut Flower Growers and Retail Florists

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want a regular or special supply of the product of the best growers

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FOR THOSE
FLORIST'S MADE
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66 PEARL ST., BOSTON

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Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock.

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AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	BOSTON Nov. 29	CHICAGO Nov. 28	ST. LOUIS Nov. 28	PHILA. Nov. 28
Ara. Beauty, Fancy and Special.	40.00 to 50.00	35.00 to 50.00	40.00 to 60.00	35.00 to 50.00
" Extra.....	20.00 to 30.00	20.00 to 35.00	25.00 to 30.00	15.00 to 20.00
" No. 1.....	6.00 to 12.00	20.00 to 30.00	15.00 to 20.00	8.00 to 12.50
" Lower grades.....	4.00 to 5.00	10.00 to 20.00	6.00 to 10.00	3.00 to 6.00
Richmond Chateaux, Fancy & Spl.	5.00 to 12.00	6.00 to 10.00	8.00 to 10.00	5.00 to 8.00
" Lower grades.....	2.00 to 4.00	4.00 to 6.00	4.00 to 6.00	2.00 to 4.00
Killarney, Maryland, Fan. & Spl.	6.00 to 12.00	6.00 to 10.00	8.00 to 10.00	5.00 to 8.00
" Low grades.....	2.00 to 3.00	3.00 to 5.00	4.00 to 6.00	2.00 to 4.00
Bride, 'Maid.....	2.00 to 8.00	3.00 to 8.00	5.00 to 8.00	2.00 to 6.00
Taft, Hillingdon.....	6.00 to 16.00	..... to 8.00	..... to 8.00	6.00 to 15.00
CARNATIONS, First Quality..	3.00 to 4.00	4.00 to 5.00	5.00 to 6.00	2.00 to 4.00
" Ordinary.....	2.00 to 3.00	2.00 to 3.00	3.00 to 4.00	1.00 to 1.50
MISCELLANEOUS				
Cattleyas.....	35.00 to 50.00	35.00 to 50.00	40.00 to 50.00	50.00 to 75.00
Lilies, Longiflorum.....	6.00 to 8.00	10.00 to 12.50	10.00 to 12.50	6.00 to 10.00
Lily of the Valley.....	2.00 to 4.00	2.00 to 5.00	3.00 to 4.00	2.00 to 4.00
Narcis., Paper White.....	1.50 to 2.00	2.00 to 4.00	3.00 to 4.00	..... to 2.00
Chrysanthemums.....	8.00 to 16.00	5.00 to 30.00	15.00 to 25.00	5.00 to 15.00
Violets.....	.75 to 1.25	1.00 to 1.25	.50 to 1.00	.25 to 1.50
Mignonette.....	.....	.....	.....	.....
Sweet Peas.....	.50 to .75	.50 to 1.00	.50 to 1.00	.35 to .75
Gardenias.....	12.00 to 25.00	25.00 to 40.00	.....	16.00 to 33.00
Adiantum.....	1.00 to 1.25	.....	1.00 to 1.25	..... to 1.00
Smilax.....	12.00 to 15.00	12.00 to 15.00	12.50 to 15.00	15.00 to 20.00
Asparagus Plumosus, strings (100) to 50.00	50.00 to 75.00	35.00 to 50.00	40.00 to 50.00
" & Sprea. (100 bchs.)	25.00 to 50.00	25.00 to 50.00	17.00 to 25.00	35.00 to 50.00

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Complete Stock of Florists' Greens,
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10,000... \$1.75; 50,000... \$7.50. Sample free.
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Special attention to shipping orders. Jobbers of Florists' Supplies, Seeds and Bulbs. Price list on application.

Phone Main 584. 316 Walnut St., Cincinnati

Flower Market Reports

BOSTON

The Harvard-Yale football game Saturday, Nov. 25, helped trade very materially last week. Intensity and Strimpton, chrysanthemums and Harry Fenn, carnation, being especially in demand. This episode, with the prospect of Thanksgiving Day, the great New England festival, sufficed to set the florist trade into action and prices began to move upwards. The shipping trade, as usual, came in to help the upward trend of the market and up to Tuesday evening the conditions were quite favorable but on Wednesday the inevitable reaction set in and prices sagged, due in a great measure to local apathy and the discontinuance of the shipping business. The market is well supplied with everything and on roses, carnations and violets the overstock has broken the price in half.

BUFFALO

Business brightened up considerably and was good throughout the week. There was enough stock to supply the demand, but a slight shortage on the short grade of roses, especially Killarney and Richmond. The demand fell on carnations which were not over plentiful. Some very choice Pink Delight, Perfection and Beacon are had and they have had a good sale. Chrysanthemums continue good, also lily of the valley, the latter selling well. Narcissus, Roman hyacinths and stevia are added to the list. Floral work was in demand and helped to consume a good portion of the surplus.

CHICAGO

Plenty of chrysanthemums for Thanksgiving is the outlook at this writing, Monday, the 27th, but there is no accumulation of stock and orders are coming in steadily leaving the final outcome uncertain. Roses are shortening in supply and prices on fancy stock are apt to be in favor of the grower while Beauties, as reported last week, are off crop generally. Carnations have been short in supply all the late fall and with the approach of the holidays are in greater demand than ever, even though the complaints of sleepy stock are quite frequent. The warm weather is supposed to be the cause of this trouble. Sweet peas are coming in rather slowly and demand for good stock is brisk. Violets are selling well and prices advanced this week. In lilies the supply and demand are about equal. All kinds of green help out the stock.

CINCINNATI

While the market will not be very long on stock for Thanksgiving, early reports from the growers indicate that they will have enough to go around. A general holding back by many starting last week brightened up the market. All the junk that had accumulated in the ice boxes has been cleaned up, and now practically all offerings are A1 in quality. The shipping demand continues strong. The late varieties of chrysanthemums are now in and soon, outside of a few very late varieties, they will be a thing of the past. The White and Yellow Chadwick, White and Major Bonaffon are the favorites now. A heavy cut of Diana is arriving each day. All roses clean up quickly and

(Continued from page 772)

For the Christmas Trade



BOXWOOD SPRAYS

Exceptionally fine stock, dark glossy green, no surplus wood. The choicest lot we've ever received. We are the introducers of and the headquarters for this valuable green. For Christmas there is nothing that makes a choicer or more beautiful wreath than Boxwood with a little coloring of Bronze Mahonia. Boxwood, 50 lb. crates, \$7.50.

BRONZE MAHONIA

\$1.50 per 100; \$12.50 per 1,000.

LYCOPodium

Splendid quality, full and green, not dried out on account of being gathered too long. Deliveries any time. At present we quote it at \$9.50 per 100 pounds; future quotations on application.

LYCOPodium WREATHING

\$10.00 per 100 yards.

BRONZE GALAX

For immediate delivery, cold storage stock, \$15.00 per case. New crop likely ready about December 10th; probable price, \$7.50 per case.

GREEN GALAX

New crop. \$7.50 per case.

LEUCOTHOE

Green and bronze, \$1.00 per 100; \$9.00 per 1,000. Bronze ready about December 10th.

CUT POINSETTIAS

Some especially well grown stock. The large heads are beautiful specimens, deep velvety red. Per 100, \$25.00 and \$30.00. A few of the very large ones, \$40.00 per 100.

HOLLY WREATHS

Of the very best holly, made full with plenty of berries. \$15.00 per 100. Extra large, \$20.00 and \$25.00 per 100.

PLUMOSUS

Contracts made for the season on strings or bunches, very choice stock.

MAGNOLIA LEAVES

Green and Bronze; per basket, \$2.25.

RIBBONS and SUPPLIES

Many new patterns in exclusive Christmas ribbons. Write us for prices on these and on supplies.

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1608-1620 Ludlow Street

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1212 New York Ave.

WHOLESALE FLOWER MARKETS.—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	CINCINNATI Nov. 21		DETROIT Nov. 28		BUFFALO Nov. 28		PITTSBURG Nov. 28	
Am. Beauty, Fan. and Sp.....	25.00	to 30.00	35.00	to 45.00	30.00	to 50.00	40.00	to 50.00
" Extra	20.00	to 25.00	25.00	to 35.00	20.00	to 30.00	25.00	to 30.00
" No. 1	15.00	to 20.00	15.00	to 25.00	10.00	to 15.00	15.00	to 20.00
" Lower grades.....	8.00	to 12.00	8.00	to 15.00	4.00	to 6.00	6.00	to 10.00
Richmond, Chateaux, Fan. & Spl.....	6.00	to 8.00	8.00	to 10.00	8.00	to 10.00	8.00	to 10.00
" Lower Grades	3.00	to 6.00	6.00	to 8.00	4.00	to 6.00	4.00	to 6.00
Killarney, Maryland, Fan. & Spl.....	6.00	to 8.00	8.00	to 10.00	8.00	to 10.00	8.00	to 10.00
" Low. Grades.....	3.00	to 6.00	4.00	to 8.00	4.00	to 6.00	4.00	to 6.00
Bride, 'Maid.....	3.00	to 6.00	5.00	to 8.00	6.00	to 8.00	.....	to
Taft, Hillingdon	3.00	to 6.00	4.00	to 8.00	8.00	to 10.00	4.00	to 10.00
CARNATIONS, First Quality .....	.....	to 3.00	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Ordinary	1.50	to 2.00	2.00	to 3.00	2.00	to 2.50	.....	to 2.00
MISCELLANEOUS								
Cattleyas .....	.....	to 50.00	.....	to 75.00	50.00	to 75.00	.....	to 75.00
Lilies, Longiflorum.....	10.00	to 12.50	.....	to 15.00	10.00	to 12.00	.....	to 10.00
Lily of the Valley.....	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Narciss., Paper White .....	.....	to	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Chrysanthemums	4.00	to 25.00	15.00	to 25.00	6.00	to 25.00	6.00	to 25.00
Violets .....	.....	to 1.00	.....	to 1.25	.....	to 1.00	1.00	to 1.50
Mignonette .....	.....	to	4.00	to 6.00	3.00	to 4.00	4.00	to 6.00
Sweet Peas.....	.....	to	75	to 1.00	60	to 75	1.00	to 2.00
Gardenias.....	.....	to .....	.....	to	40.00	to 50.00	35.00	to 40.00
Adiantum.....	1.00	to 1.50	.....	to 1.00	1.00	to 1.50	1.00	to 1.50
Smilax	12.50	to 15.00	.....	to 15.00	.....	to 15.00	.....	to 15.00
Asparagus Plumosus, strings (100)	40.00	to 60.00	17.00	to 25.00	40.00	to 60.00	to 50.00
" " & Soreu. (100 bchs.)	25.00	to 35.00	17.00	to 25.00	25.00	to 35.00	to 50.00

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Successor to
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FINE ROSES. FANCY CARNATIONS
A Full Line of All CUT FLOWERS.
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Fresh Cut Evergreens, Mosses,
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product to the **OLD, RELIABLE ESTABLISHMENT.**
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ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES AND CARNATIONS
Tel. 759
JAMES McMANUS, Mad. Sq. 55 W. 28th St., New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Nov. 25 1911		First Half of Week beginning Nov. 27 1911	
American Beauty, Fancy and Special.....	30.00	to 50.00	30.00	to 50.00
" " Extra.....	20.00	to 30.00	20.00	to 30.00
" " No. 1.....	10.00	to 15.00	10.00	to 15.00
" " Lower Grades.....	2.00	to 5.00	2.00	to 5.00
Richmond, Chateaux, Extra and Special.....	4.00	to 8.00	4.00	to 10.00
" Lower Grades.....	1.00	to 2.00	1.00	to 2.00
Killarney, My Maryland, Extra and Special.....	4.00	to 10.00	4.00	to 10.00
" Lower Grades.....	2.00	to 4.00	1.00	to 4.00
Bride, Maid.....	1.00	to 4.00	1.00	to 4.00
Taft, Hillingdon.....	4.00	to 12.00	4.00	to 12.00
Carnations, First Quality.....	3.00	to 5.00	3.00	to 6.00
" Ordinary.....	2.00	to 3.00	2.00	to 3.00

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1665 Madison Square CONSIGNMENTS SOLICITED

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48 W. 29th Street, New York City
Telephone No. 1757 Mad. Sq.
FLORISTS' SUPPLIES
GALAX, bronze and green, fresh crop.
\$1.00, 1000; \$7.50, 10,000. LEUCOTHOE
SPRAYS, 75c, 100. GREEN SHEET
MOSS, \$2.00 large bag.

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Flower Market Reports.

(Continued from page 7-1)

are on the short side. Beauties are conspicuous for their scarcity. The supply of red, too, is not over-large. Carnations sell very well and more might probably be used. The colored varieties are not as plentiful as white ones. Longiflorum lilies are good property. The same is true of New York double and single violets, Lily of the valley and orchids sell up from day to day. Narcissus are now included in the offerings. The green goods market is ample. Considerable bronze galax, boxwood, ferns and leucothoe are being shipped.

The old saying, "Praise **DETROIT** not the day before the sun has set," may be aptly applied to last week's business conditions, which, while beginning very promising, found the tables of the wholesalers loaded down with fine stock Saturday night. This week, with Thanksgiving, will turn the tables to a more satisfactory condition for all concerned. We all feel the great scarcity of debutantes, which were unusually many last year, and the few there are will all have their coming-out parties around the holidays.

A busy week was forecasted for the Thanksgiving time and the outlook was promising but various influences had to be reckoned with and the outcome is not exactly to the liking of the grower and growers' agents in the wholesale markets. In truth the supply of flowers in the local markets is over-liberal and it is not easy to control prices. Some things, as the regal cattleya, hold their own, regardless of market fluctuations. Violets got a refreshing filip from the football excitement. But, taking the market as a whole, the situation is not over-encouraging to the man who has to pay the coal bill or the agent who has to stand for the store expenses. Still, "the smoke goes up the chimney just the same" and we hope that everyone interested will come out on the safe side of the ledger on the Thanksgiving proposition.

Saturday was the big day of last week. In addition to fine weather (which lets the street men out and makes business good any fine Saturday) there was on this occasion the Army and Navy game, which always calls for lots of flowers. Immense quantities of yellow chrysanthemums were held

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Wholesale Florists
383-387 ELLICOTT ST. - - BUFFALO, N. Y.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Nov 25 1911		First Half of Week beginning Nov. 27 1911	
Cattleyas	25.00	to 60.00	25.00	to 75.00
Dendrobium formosum	30.00	to 40.00	30.00	to 40.00
Phalaenopsis	20.00	to 25.00	20.00	to 25.00
Lilies, Longiflorum	3.00	to 5.00	4.00	to 6.00
Lily of the Valley	1.00	to 2.00	1.00	to 2.00
Narciss., Paper White	1.00	to 1.50	1.00	to 1.50
Chrysanthemums	4.00	to 20.00	4.00	to 20.00
Violets.....	.40	to .75	.40	to 1.00
Mignonette	10.00	to 15.00	10.00	to 15.00
Gardenias	12.00	to 35.00	12.00	to 35.00
Adiantum.....	.50	to .75	.50	to .75
Smilax	6.00	to 8.00	6.00	to 8.00
Asparagus Plumosus, strings	10.00	to 35.00	10.00	to 35.00
" " & Spruce (100 bchs)	10.00	to 20.00	10.00	to 25.00

back especially for that event and notwithstanding the great demand there was more than enough to go around and prices, while fair, were not much above normal. For three months now the chrysanthemum has been with us and there never have been so many as this year. As a natural consequence returns have not averaged as good as in previous years—good judges say 25 to 35 per cent less. Among the varieties still in evidence and in splendid form are Bonnaillon, Chadwick, Dean, Eaton and Nonin. Violets were also in great demand for the game. There was any amount of them, both from nearby and distant points. All were pretty well cleaned up—except the late arrivals. The quality is now fully up to the cold weather standard and gives excellent satisfaction to customers. All roses are selling well, and quality generally is all that can be desired. The "double pink" Killarney is a favorite. It was a little off color for a while but has pretty nearly got back to its best form again. Prince de Bulgarie is also in grand form, the specials bringing as high as fifteen and twenty, which is remarkable for a rose of this character. Carnations also are in fine form. Splendid flowers of Enchantress, Beacon, Pink Delight and Gloriosa are to be had in quantity. Orchids scarce. Gardenias improving. Paper whites made their appearance last week.

The market was greatly relieved last week. The glut of the previous week had disappeared and some day stock became real scarce. Today, Monday, Nov. 27, very little is coming in and the market was cleaned up early. This will be the case during all this week as the retailers are expected to buy heavily for Thanksgiving week. Roses have been quite plentiful and only the best have sold well and cheap. Carnations sell well with hardly enough to go around some

days. Stock that has been selling at 2 and 3 cents is now up to 4 and 5 cents, with extra fancy at 6 cents. Chrysanthemums are on the down grade but quite a few fancy ones are still coming in. Violets are in great demand. Lily of the valley, Roman hyacinths, paper whites and lilies—plenty of these are expected this week. Good Smilax, adiantum and asparagus are in demand.

The football game between the Army and Navy elevens caused a small flurry in the local market and a number of small weddings and the usual funerals made up the week's work. With the weather continuing warm and stormless, business in all lines is very slow and this, of course, affects the sales of flowers. The days of the big supply of chrysanthemums in this market are about over and many of the local growers completed their cutting this week. Roses were in fine shape for the Thanksgiving trade, especially locally grown American Beauties which were never in better form, foliage or color. Carnations were fair but the supply did not equal the demand for good stock and even the inferior qualities were slim as to quantity. There were a few sweet peas to be had but they were not so much in demand. Gardenias produced locally were good as to quality but not enough of them were offered. There seemed to be an unusually heavy demand for single violets but the largest growers were not able to begin to make them bloom to make any kind of a showing in numbers. The few thousands that came in were all sold before they were picked. Hudson River violets were never better than at present, they are plentiful, and the supply and the demand are equal. In the market this week could be seen the first of the paper white narcissus, Gloire de Lorraine begonias and stevia. Some very fine azaleas are also among the newcomers.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one-cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
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ADIANTUM HYBRIDUM

Red Rose Nurseries, Center Square, Pa.

AMPELOPSIS

Ampelopsis Veltchii, 1-yr. plants, \$3.00 per 100; \$25.00 per 1000.
Wm. Eschrich Co., North Milwaukee, Wis.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

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Godfrey Aschmann, 1012 Ontario St., Philadelphia.

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ASPARAGUS

A. N. Pierson, Inc., Cromwell, Conn.
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Asparagus Plumosus, extra fine 3-inch stuff, \$5.00 per 100, \$45.00 per 1000. P. Rieth, Downers Grove, Ill.

Asparagus plumosus seedlings, clumps, sprays and seeds. Write for prices. Peter Mack, Orlando, Fla.

Asparagus plumosus, 2 1/4-in. pots, \$3.00 per 100; \$25.00 per 1000. Asparagus Sprengerii, 2-in. pots, \$2.00 per 100; 4-in. pots, heavy, \$10.00 per 100.

Storrs & Harrison Co., Painesville, Ohio.

ANTHERICUM

Anthericum variegatum, strong plants, 3-in., 3c; 5-in., 10c. H. G. Norton, Perry, O.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
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A. Leuthy & Co., Roslindale, Mass.
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Loechner & Co., New York, N. Y.
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BAY TREES

A. Leuthy & Co., Roslindale, Mass.
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Bobblink & Atkins, Rutherford, N. J.
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Bay Trees and Box Trees, all sizes
Write for special List
Julius Roehrs Co., - - Rutherford, N. J.

BEGONIAS

A. Leuthy & Co., Roslindale, Mass.
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Thomas Roland, Nahant, Mass.
Lorraine Begonias.

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BOILERS

Kroeschell Bros. Co., 466 Erie St., Chicago.
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BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.
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Bobblink & Atkins, Rutherford, N. J.
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Julius Roehrs Co., Rutherford, N. J.
Box Trees all sizes. Ask for special list.

BOXES—CUT FLOWER—FOLDING

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made.
Write for list. Holton & Hunkel Co., Milwaukee, Wis.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.

French and Dutch Bulbs.

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J. M. Thorburn & Co., 33 Barclay St., N. Y.
Seasonable Bulbs.

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A. T. Boddington, 342 W. 14th St., N. Y.
Forcing Gladiolus, Iris, Etc.

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Richards Bros., 37 East 19th St., New York.
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Henry F. Michell Co., Philadelphia, Pa.

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T. J. Grey & Co., 32 and 33 So. Market St., Boston.

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Ralph M. Ward & Co., 12 W. Broadway, New York.

Horseshoe Brand.

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James Vick's Sons, Rochester, N. Y.
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John Lewis Childs, Flowerfield, L. I.
Summer Flowering Bulbs.

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The W. W. Barnard Co., Chicago, Ill.
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E. B. Miller, Wading River, N. Y.
Gladiolus, Lilies, Iris, Etc.

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A. Henderson & Co., Chicago, Ill.

Late Dug Formosa

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CANE STAKES

W. W. Barnard Co., Chicago, Ill.
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CANNAS

R. Vincent, Jr. & Sons Co., White Marsh, Md.

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The Improved Canna—64 varieties, including Mrs. A. F. Conard and the finest new ones. Send for price list. The Conard & Jones Co., West Grove, Pa.

CARNATIONS

F. Dörner & Sons Co., Lafayette, Ind.
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Chicago Carnation Co., Joliet, Ill.

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Chas. H. Totty, Madison, N. J.

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Wood Bros., Fishkill, N. Y.

Field Grown Plants.

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300 Enchantress, \$5.00 per 100; 200 Windsor, \$4.00 per 100. Field grown, best of stock. Bid on the lot. O. L. Baird, Dixon, Ill.

CARNATION STAPLE

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 2000 for \$1.00 post paid. I. L. Pillsbury, Galesburg, Ill.

CHRISTMAS GREENS

Henry F. Michell Co., Phila., Pa.
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A. B. Silliman & Co., Boone, Ia.
Mistletoe.

CHRISTMAS TREES—BALED SPRUCE

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CHRYSANTHEMUMS

Elmer D. Smith, Adrian, Mich.
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Chas. H. Totty, Madison, N. J.

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Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Chrysanthemums, rooted cuttings, Monrovia, Polly Rose, \$12.00 per 100. Violets, Princess of Wales, \$6.00 per 100; \$50.00 per 1000. Chas. Lenker, Freeport, L. I., N. Y.

CLEMATIS

Clematis paniculata, 2-yr., \$7.00 per 100; \$60.00 per 1000. H. G. Norton, Perry, O.

Clematis paniculata, 2 and 3-yr.-old; also Henryi, Jackmanii, Andre Romona, Red Jack, Duchess. Special price for fall delivery.

Parks & Schaufelberger, Penfield, N. Y.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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CYCLAMENS

Cyclamen—Best Varieties in different colors, 3 inch pots, strong plants, \$10.00 per 100, \$80.00 per 1000. Julius Roehrs Company, Rutherford, N. J.

Giant cyclamen, our own grown strain, selected from the very best and well built plants and flowers. Seed, \$1.00 per 100, \$6.00 per 1000; nearly all sold out. August seedlings, \$2.00 per 100; \$18.00 per 1000. Plants, well set with buds, 4-in., \$18.00 and \$25.00 per 100. Orders amounting to \$25.00, 10 per cent. off. Here is one of the many letters we received from satisfied customers: E. A. Butler & Son, Niagara Falls, N. Y., say, "The plants are excellent, the finest we have ever had and, if the seed this year is of the same quality, we will be perfectly satisfied." Our aim has been to, and we have, improved our strain every season. Cultural directions with every order. C. Winterich, Cyclamen Specialist, Defiance, O.

DAHLIAS

Herbert, Acto, N. J.

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E. Vincent, Jr. & Sons Co., White Marsh, Md.

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Henry A. Dreer, Inc., Philadelphia, Pa.

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DAHLIAS NEW FOR 1911.

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williamstown Junction, N. J., Post Office, Berlin, N. J.

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

EAST BRIDGEWATER DAHLIA FARMS.
If you are looking for dahlia stock for your 1912 catalogue, send for Trade List to the Dahlia King, J. K. Alexander, East Bridgewater, Mass.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.

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John Scott, Brooklyn, N. Y.

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H. A. Dreer, Inc., Philadelphia, Pa.

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Woodrow & Marketos, New York, N. Y.

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ERICAS

Erica melanthera. Perfect specimens in every way. 4 in., \$4.50 per doz.; 5 in., \$5.50 per doz.; 6 in., \$7.00 per doz. Prices on larger plants on application. This is the best variety of Heath for florists' use. H. Huebner, Groton, Mass.

EVERGREENS

New England Nurseries, Bedford, Mass.
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Frank Oechlein, 4911 Quincy Street, Chicago.
Ferns for Dishes.
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Joseph Heacock, Wyncote, Pa.
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Roman J. Irwin, New York, N. Y.
R. G. Hauford, Nonwalk, Conn.
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Boston Ferns, all sizes from 3 in. bunch stuff to 8 in. pots. Prices on application. Andrew P. Petersen, South Lincoln, Mass.
Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.
Scott's Ferns in 5-in. pots (good stock) at \$25.00 per 100. Good assortment table ferns at \$3.00 per 100. Cash please. J. H. Fleisser, Hamilton Avenue, North Bergen, N. J.
ROOSEVELT FERN as a Winner. 2½ in. at \$2.00 per doz., \$15.00 per 100; 3 in. at \$2.50 per doz., \$17.50 per 100. F. O. B. here. The Conard & Jones Co., West Grove, Pa.
Fern dish ferns. Heavy 2¼-in. pot plants, \$3.00 per 100; \$25.00 per 1000. Boston ferns. 5-in. pots, \$25.00 per 100; 6-in., \$40.00 per 100.
Storrs & Harrison Co., Painesville, Ohio.
Boston Ferns—6-inch pots, 45c. each, \$40.00 per 100. Whitman Ferns, 4-inch, 20c. each, \$15.00 per 100; 5-inch, 30c. each, \$25.00 per 100; 6-inch, 45c. each, \$40.00 per 100; 7-inch, 60c. each, \$55.00 per 100; 8-inch, 75c. each, \$70.00 per 100. Ficus Elastic, 85c., 50c. and 75c. each. Cash please. Queen City Floral Co., Manchester, N. H.
Boston ferns, first-class stock, for 5, 6, 7 and 8-in. 20c, 25c, 50c and 75c. Whitman, for 6, 7, 8 and 10 in. 25c, 35c, 50c and 75c. Also large specimen plants from \$1.00 up. Scott's, for 6 in., 2c and 35c. Any quantity: 7000 to choose from. Cash. A. E. Monroe, Wellesley Farms, Mass.

FERTILIZERS

20th Century Plant Food Co., Beverly, Mass.
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Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.
Wizard Brand Cattle Manure.
Hardwood ashes, best fertilizer on earth for lawns and gardens. George Stevens, Peterborough, Ont., Canada.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
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FLORISTS' LETTERS

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.
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Peters & Reed Pottery Co., Zanesville, O.
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GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.
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Kervan Co., New York.
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GENISTAS

Genista racemosa, 6-in. pot plants, \$25.00 per 100.
Storrs & Harrison Co., Painesville, Ohio.

GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.
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Pelargo and Scented Rose Geraniums, 2½-in., \$3.00 per 100. P. Rieth, Downers Grove, Ill.
Geraniums, S. A. Nutt and standard varieties, 2½-in., \$2.50 per 100; \$20.00 per 1000. H. G. Norton, Perry, Ohio.
Geraniums, standard varieties, 2½-in., \$2.50 per 100, \$22.50 per 1000; or will exchange part for Vinca root runners. P. Rieth, Downers Grove, Ill.
Geraniums. Lecadre, Mosnay, Roseleur, Nutt, Dagota, Richard, Viaud, La Favorite, Col. Thomas, Jaulin, Perkins, Oberle, 2-in. stock, \$2.00 per 100; \$18.50 per 1000. Hill, Dryden, Claire Frenot, Pres. Baillet, Mrs. Vincent, Bisquit, 2-in., \$3.00 per 100; \$25.00 per 1000. Cash. Send for geranium catalogue. A. D. Root, Wooster, O.

GLASS

Boston Plate & Window Glass Co., Boston.
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Standard Plate Glass Co., 26-30 Sudbury St., Boston.
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Foley Mfg. Co., Western Ave., between 25th and 26th Sts., Chicago.
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Parshelsky Bros., Inc., 215-217 Havermeier St., Brooklyn, N. Y.
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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.
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Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

GLAZING POINTS

H. A. Dreier, Philadelphia, Pa.
Peerless Glazing Point
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GOLD FISH

Gold fish, aquarium plants, snails, castles, globes, aquarium, fish foods, nets, etc., wholesale. Franklin Barrett, breeder, 4815 D. St., Philadelphia, Pa. Large breeding pairs for sale. Send for price lists.

GREENHOUSE BUILDING MATERIAL

A. T. Stearns Lumber Co., Neponset, Boston.
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King Construction Co., N. Tonawanda, N. Y.
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Foley Mfg. Co., Chicago.
Pecky Cypress for Benches.
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J. C. Moninger Co., 117 East Blackhawk St., Chicago, Ill.
S. Jacobs & Sons, 1359-63 Flushing Ave., Brooklyn, N. Y.

GREENHOUSE CONSTRUCTION

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Pierson U-Bar Co., Madison Ave., New York
Designer and Builder.
Hitchings & Co., 1170 Broadway, N. Y.

GUTTERS

King Construction Co., N. Tonawanda, N. Y.
King Channel Gutters.
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HAIL INSURANCE

Florists' Hall Assn. of America.
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HARDY FERNS AND SUPPLIES

Michigan Cut Flower Exchange, 28 and 40 Broadway, Detroit, Mich.
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Hartford & McDonough, Boston, Mass.
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H. J. Smith, Hinsdale, Mass.
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HEATING APPARATUS

Kroeschell Bros. Co., 466 Erie St., Chicago.
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Lord & Burnham Co., 1133 Broadway, New York.
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P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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New England Nurseries, Bedford, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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HEMEROCALLIS LILY

Fulva \$2.50 per 100. C. S. Harrison's Select Nursery Co., York, Neb.

HOSE

H. A. Dreier, Philadelphia, Pa.

HOT-BED SASH

A. T. Stearns Lumber Co., Neponset, Mass.
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Parshelsky Bros., Brooklyn, N. Y.
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Lord & Burnham Co., 1133 Broadway, N. Y.
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HYDRANGEAS

F. R. Pierson Co., Tarrytown-on-Hudson, New York.
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Hydrangea Otaksa, fine pot grown stock, 4-in., 2 to 3 shoots, \$15.00 per 100; 5-in., 2 to 3 shoots, \$20.00 per 100; 6-in., 3 to 5 shoots, \$25.00 per 100.
Hydrangea Otaksa, field-grown. Extra specimens for large tubs, 12 to 15 shoots, \$1.00 each.
Storrs & Harrison Co., Painesville, Ohio.

In writing to Advertisers kindly mention Horticulture

INSECTICIDES

- Eastern Chemical Co., Boston, Mass.**
Imp. Soap Spray.
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- Nicotinide kills all greenhouse pests.**
P. R. Palethorpe Co., Owensboro, Ky.
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- Stumpp & Walter Co., New York.**
Kiln-dried Tobacco Dust.
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- Aphine Manufacturing Co., Madison, N. J.**
Aphine.
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- E. H. Hunt, Chicago, Ill.**
To-Bak-Ine Products.
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- Wilson Plant Oil and Fertilizer Co., Elizabeth, N. J.**
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- Acme Nicotine Insecticides sold direct to the grower. Acme 45 per cent. Liquid, pint \$1.75; gallon \$12.50. Acme Fumigating Paper, case of 288 sheets \$5.50. Sample can of 24 sheets 60 cents, postpaid. J. P. Beermaker, 9 Washington Ave., St. Louis, Mo.**

IRISES.

IRIS. All of the leading varieties. **C. S. Harrison's Select Nursery Co., York, Neb.**

JAPANESE LILIES

Lochner & Co., New York, N. Y.
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JERUSALEM CHERRIES

JERUSALEM CHERRIES, pot grown, strong and well berried plants, 4-in., \$10.00 per 100. Cash, please. **F. Sokol, Worcester, Mass.**

KENTIAS.

Bobbink & Atkins, Rutherford, N. J.
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A. Leuthy & Co., Roslindale, Mass.
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LANDSCAPE GARDENING COURSE.
Heme Correspondence School, Springfield, Mass., Dept. 8.
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LILAC

Rouen, 3 to 4 feet, six to fifteen branches, an ideal hedge as it stands, \$10.00 per 100. **C. S. Harrison's Select Nursery Co., York, Neb.**

LILIUM HARRISII

F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
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LILIUM MULTIFLORUM AND GIGANTEUM

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LILY OF THE VALLEY PIPS

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MASTICA

F. O. Pierce Co., New York, N. Y.
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MATS FOR COLD FRAMES

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Kentucky Tobacco Product Co., Louisville, Ky.
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NIKOTEN APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.
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NURSERY STOCK

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Hardy, Northern Grown Stock.
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Direct Importations.
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TREES, SHRUBS, ROSES, EVER-GREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.
Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00 by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Altheas, Berberies, Deutzias, Forsythias, Hydrangeas, Philadelphia, Viburnums, Privet, Spirea, Weigela. Write for price list. **The Conard & Jones Co., West Grove, Pa.**

ONION SETS

Leonard Seed Co., Chicago, Ill.
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S. D. Woodruff & Sons, New York, N. Y.
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ORCHID FLOWERS

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ORCHID PLANTS

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Cypripedium Caudatum.
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Julius Roehrs Co., Rutherford, N. J.
Hybrid Orchids.
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Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
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Orchids—largest stock in the country. Stove plants and Crotons, finest collection. **Julius Roehrs Co., Rutherford, N. J.**

Edward V. Low, late of Hugh Low & Co., dissolved, Vale Bridge, Haywards Heath, England. "White" Cattleyas and Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Williams. 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by **HORTICULTURE**, 11 Hamilton Place, Boston.

PALMS, ETC.

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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Lochner & Co., New York, N. Y.
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PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped flat, low freight rates. **Crosby & Son, Catonsville, Baltimore, Md.**

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PEONIES

"Fragrans," late dark pink, large divisions, \$6.00 per 100, \$50.00 per 1000. **Chas. Lenker, Freeport, L. I., N. Y.**

PEONIES. Send for our wholesale list. **C. S. Harrison's Select Nursery Co., York, Neb.**

PHLOX

PHLOX. Field grown. **C. S. Harrison's Select Nursery Co., York, Neb.**

PHOENIX ROEBELENI

H. A. Dreer, Phila., Pa.
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PLANT STAKES

Seale's Telescopic Plant Stakes and Trail-uses. **H. D. Seale & Sons, Elkhart, Ind.**

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Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. **I. N. Kramer & Sons, Cedar Rapids, Iowa.**

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PRIMULAS

Roman J. Irwin, New York, N. Y.

PRINTING.

The Rex Company, Harrisburg, Pa.
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PRIVET

Half a million privet. Strong, heavy, well furnished stock, 18 to 24-in., \$15.00 per 1000; 2 to 3 ft., \$20.00 per 1000; 3 to 4 ft., \$25.00 per 1000. Dwarf and specimen evergreens, shrubby and trees in all varieties.
AMERICAN NURSERY CO., Singer Bldg., New York, N. Y.

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RHUBARB ROOTS

Mammoth Red rhubarb. Strong 1-yr. plants for forcing or growing on, \$2.50 per 100; 2-yr., extra large, \$6.00 per 100.
Wm. Eschrich Co., North Milwaukee, Wis.

RHUBARB ROOTS, extra large clumps for forcing, \$20.00 per 100; strong divided clumps for replanting, \$5.00 per 100. Best kind for the market; red stalks.
Sluis Seed Store, 544 W. 63rd St., Chicago.

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ROSES—Send for complete list. American Pillar, 3 year, \$35.00 per 100; American Pillar, 2 year, \$25.00 per 100; Dorothy Perkins, \$12.00 per 100; Lady Gay, 4 to 5 ft., \$16.00 per 100. **The Conard & Jones Co., West Grove, Pa.**

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SOUVENIRS AND SACHETS OF LAVENDER

California Sweet Lavender. Souvenirs.
Sachets of dried flowers, tastefully fragrant.
One style, 30 cts. by mail, post paid. Mrs.
E. C. Gardener, St. Pasadena, Cal.

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Live Sphagnum moss, orchid peat and
orchid baskets always on hand. Lager &
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VINCAS

Vinca variegata. Strong selected field
clumps, \$5.00; good medium, \$4.00 per 100.
Rooted cuttings ready in December, \$7.00
per 1000. Cash. M. M. Lathrop, Portland,
N. Y.

WIREWORK

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Wirework. Write for our catalogue
Holton & Hunkel Co., Milwaukee, Wis.
William E. Hellacher's Wire Works, 38-40
Broadway, Detroit, Mich.

WOOD PRESERVATIVE

Conserve Wood Preservative doubles the
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Samuel Cabot, Inc., Mfg. Chemists, Bos-
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XMAS PEPPERS

Xmas Peppers, fine berried plants, 4 and
4½ inches, \$8 to \$10 per 100. P. Rieth,
Downers Grove, Ill.

New Offers in This Issue.**A PLANT NOVELTY, SOLANUM CAPSICASTRUM MELVINI.**

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Little ads in our Classified Columns
bring big returns to both advertiser
and purchaser.

Anything that can be sold to florists,
gardeners, park and cemetery superin-
tendents, etc., can be sold through this
medium in this department, and at
very small cost.

Don't fail to read them each issue, for
you will find one or more that will
prove profitable to you.

**They Cost Only One
Cent a Word Undisplayed**

In writing to Advertisers kindly mention Horticulture

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One Dollar Equal
to Two and Three
Quarter Dollars

We have mailed to every grower in the United States one of our opportunity postal cards; if you have not received one, we will mail a duplicate. When this postal is mailed to us with an order for not less than twenty-five (25 lbs.) pounds of the

FUMIGATING KIND TOBACCO POWDER FOR BURNING

We will ship in addition 25 lbs. of BLACK STUFF FINE TOBACCO POWDER FOR DUSTING and One Half pint HASCO LIQUID NICOTINE FOR SPRAYING, total value \$1.75

FREE

If Cash with order

Five pounds of the
FUMIGATING KIND
kills all Aphids in a 100x20
foot house IN ONE NIGHT

FUMIGATING KIND AND BLACK STUFF FINE

\$1.00	100 lbs.
\$1.75	50 lbs.
\$1.00	25 lbs.

HASCO LIQUID NICOTINE

1 gal.	\$10.00
1/2 "	\$5.25
1 pint	\$1.35

ON CARS MOUNT VERNON, N. Y.

The
H. A. Stoothoff Co.
MOUNT VERNON, N. Y.



PLANT FOOD

Made into tablets—one of which to one quart of water makes the best plant food ever analyzed by the Massachusetts Experimental Station. Ask for sample by mail. Domestic size mailed anywhere for 50c, containing about 200 tablets.

Dealers will find this the most satisfactory household package.

Eastern Chemical Co.

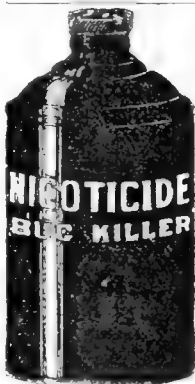
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KILMDEAD
The best of all
the tobacco
dusts for
Dusting or
Fumigating

88 lbs. \$1.00 100 lbs. \$ 8.00 1000 lbs. \$27.00
50 lbs. 1.75 500 lbs. 14.00 2000 lbs. 52.50

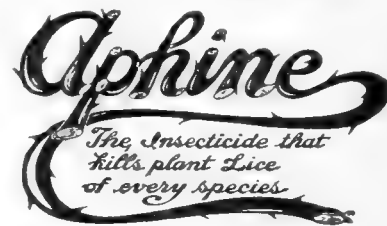
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The Best Bug Killer and Bloom Saver

For PROOF
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Just the remedy for the black aphids on chrysanthemums—red spider and thrips on carnations—green fly on roses—mealy bug on gardenias and crotons—scale on ferns, palms and other decorative stock.

\$2.50 per gallon, \$1.00 per quart.
U. S. AND CANADA.

FUNGINE

Fungine has no equal for carnation rust, rust on chrysanthemums and mildew on roses.

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U. S. AND CANADA.

There is but one convincing way for you to become familiar with the merits of Aphine and Fungine, and that is—test them out yourself—it will prove worth your while.

For sale by seedsmen.

MANUFACTURED BY
APHINE MANUFACTURING COMPANY
MADISON, N. J.

To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free.)

Use any form you choose but buy it of

E. H. HUNT, 131 N. Wabash Avenue, Chicago

NIKOTEEN The most effective and economical material there is for spraying plants and blooms. **NIKOTEEN** skillfully extracted from leaf tobacco, and carefully refined, it is clean and easy to apply. **NIKOTEEN** Does the work when vaporized either in pans, or pipes, or over a flame. Full Pint Bottles, \$1.50.

NIKOTEEN APHIS PUNK

Specially prepared for fumigating closed houses. It vaporizes the Nicotine evenly and without waste. Nothing keeps a house free from Aphids so cheaply.

Price \$6.50 per case of 12 paraphrased boxes. All Seedmen.

Wilson Plant Oil & Fertilizer Company

ELIZABETH, N. J.

Horticultural Supplies

Write for our special Catalogue

In ordering goods please add "I saw
it in HORTICULTURE."

Spray Your Trees and Do Your Whitewashing



With Deming Spray Pump. You can have a good crop of pears, plums, cherries, apples, etc. if you keep your trees in good condition—free from insects.

DEMING SPRAYERS

Are inexpensive and are suitable for whitewashing poultry houses, cellars, etc. as well as spraying flowers, trees and shrubbery.

Get complete Catalogue and Spraying formulas from
CHARLES J. JAGER COMPANY
814 FRANKLIN STREET, BOSTON, MASS. AND
37 CANAL STREET, PROVIDENCE, R. I.
A Complete Line is kept at our Boston

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Obituary

Mrs. John Odgers.

Mrs. John Odgers, florist, at Maquoketa, Ia., died on Nov. 7, of heart failure.

Frank Kleinhans.

On November 18, Frank Kleinhans, of Kleinhans Bros., florists, St. Louis, Mich., died at his home after an illness of three weeks. His brother David will continue the business.

John Siebenthaler.

A well known Ohio nurseryman, John Siebenthaler, died on Nov. 16, at Dayton, Ohio, aged 57 years. He had for years been a member of the Montgomery County Horticultural Society. Four sons and one daughter survive him.

M. Edouard Andre.

The death is recorded of M. Andre, who was editor, from 1860 to 1882, of the "Revue Horticole." M. Andre died on October 25 at La Croix, Blere (Indre-et-Loire), aged seventy-one years, after a long illness. He was the introducer of many useful and ornamental plants, was a skillful landscape designer and a man of high scientific attainments.

William H. Murdock.

William H. Murdock, for many years a florist in Cambridge, Mass., died on Sunday Nov. 26, at the Cambridge Relief Hospital, where he had been since the previous Tuesday. On that day he collapsed while at work in his garden, suffering from a slight shock.

Mr. Murdock was born in Cambridge in 1837 and retired from business about 10 years ago. He served in the Common Council in 1888 and 1889. He leaves a son, Harris H. Murdock of New York, and two daughters, Mrs. Florence, a student at Mt. Holyoke College, and Miss Dorothy of Cambridge.

John H. Lambkin.

Despondent because his many infirmities threatened to render him helpless, John H. Lambkin, eighty-one years of age, after making preparations for his burial, fired a shot into his right side, dying shortly afterward. Mr. Lambkin was a native of Bremen, Germany, coming to this country at the age of thirteen. When the civil war broke out he enlisted in the Union Army, serving under General Sherman and, later at Gettysburg, under General Bull. At the close of the war he

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Dept. H. A. Springfield, Mass.

POULTRY and FRUIT REVIEW

A publication on the farm journal that reviews all poultry and fruit papers in United States, will be sent on trial one year to all who send 16 cents, to pay wrapping and postage, and names of three fruit or poultry raisers.

THE REX COMPANY
HARRISBURG, PA.

Cocoanut Fibre Soil

is being sought after by all growers. Cover your lawns this fall and next summer you can have a green one.

20th CENTURY PLANT FOOD CO.,
37 Ocean St., Beverly Mass.

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SITUATION WANTED in Massachusetts by an all around florist of over 25 years experience. Rose growing a specialty. Capable to take full charge. Now in charge of large rose growing establishment. Reasonable wages and permanent position desired. Married; no children. Address N. H., care HORTICULTURE.

FOR SALE

FOR SALE—Fresh from factory, new 10 x 12, 16 x 18, 16 x 24, double thick A and B qualities. Market dropped. Now is the time to buy and save money. Parshelsky Bros., Inc., 215-217 Havemeyer St., Brooklyn, N. Y.

came to Washington. For the past thirty years he has been the landscape gardener at the Naval Observatory but lately owing to rheumatism and heart failure, he was unable to perform any work. He has been residing at the home of his daughter, Mrs. Benjamin Thomas, and it was the latter who found him with his clothing aflame a few moments after he had fired the fatal shot. He is survived by one son and three daughters. During his long residence in the capital, Mr. Lambkin had many friends and his passing away is deeply regretted.

PUBLICATION RECEIVED.

No. 26 of Volume 7 of the Bulletin of the New York Botanical Garden has been issued under date of October 12, 1911. It is devoted to a biologic and taxonomic study of the genus Gymnosporangium, by Frank Dunn Kern. This valuable addition to the scientific knowledge of the numerous "rusts" which infest orchards, forests and gardens comprises nearly 100 pages, with 68 figures and plates.

Feverfew all sold. Discontinue ad.
Adolph E. E. Koch,
Nov. 25, '11. Nobscot, Mass.

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**STRONGEST,
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1/2 Gallon.....	5.50
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Main Office and Factories
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TEMPLATED.**

Smith's Ferry, Mass.—Gallivan Bros.
of Holyoke, one house.

Stockbridge, Mass.—Estate of Mrs.
Oscar Iasigi, one house.

Newport, R. I.—Robert Frame, 180
Gibbs street, one house.

Winfield, Kan.—J. L. Vaughn, East
Third street, house 40 x 200.

Evanston, Ill.—Peter Risch, 1023
Warren street, range of houses.

Rocky River, O.—J. M. Gasser Co.,
three carnation houses, each 27 x 200.

Atlantic, Ia.—The Atlantic Green-
house Co., Ninth and Linn streets,
violet house.

West Albany, N. Y.—F. A. Danker,
two rose houses, work to commence
at once. He writes us that the re-
port recently circulated that he is to
build an orchid house is not correct.

Laramie, Wyoming.—Bert Clippinger
writes HORTICULTURE that in addi-
tion to the two greenhouses he is
building, as reported in our Nov. 18
issue, he will erect four more of the
same size next spring. Lettuce will
be grown in one house. A small nur-
sery will also be conducted in connec-
tion with a general floral business.
He, in company with M. R. Clippinger,
is doing business as the Clippinger
Floral Co.

FIRE RECORD.

Humboldt, Ia.—A dwelling on the
grounds of the Humboldt Nursery Co.
was destroyed by fire on Nov. 15; loss
about \$2,500; insurance \$1,000.

Sharon, Pa.—Fire destroyed the
boiler house at the greenhouses of
John Murchie, North Irvine avenue,
on Nov. 9. Loss about \$1,300; no in-
surance.

Carthage, Ill.—The greenhouses of
S. T. Stone, florist, North Main street,
have been purchased by Prof. Robert
C. Crum, principal of the Raton, N. M.
high school. They have been moved
to his property on West Locust street,
where he will conduct the business.

DREER'S "Riverton Special" Plant Tub

No.	Diam.	Each	Dos.	100
10	20 in.	\$1.45	\$18.00	\$130.00
20	18 in.	1.30	14.00	115.00
30	16 in.	1.00	11.25	92.00
40	14 in.	.85	7.00	56.00
50	12 in.	.45	5.00	40.00
60	10 in.	.38	4.00	32.00
70	8 in.	.30	3.50	28.00

Manufactured for us exclusively. The best tub ever introduced. The neatest, lightest
and cheapest. Painted green, with electric welded hoops. The four largest sizes have
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Plates, Rubber Type. Illustrated Cat-
alogue of nearly 100 pages sent with
first order or upon receipt of 5 two-
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1500 2 1/2 " "	6.00	210 5 1/2 " "	3.78
1000 3 " "	5.00	144 6 " "	3.18
800 3 1/2 " "	5.80	120 7 " "	4.20
		60 8 " "	3.00

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OUR SPECIALTY—Long distance and export trade.

Syracuse Red Pots

"A little pot is soon hot," likewise a thin pot. This
will save you fuel. Our pots are the thinnest and
toughest owing to the superior quality of the clay.
New price list on application.

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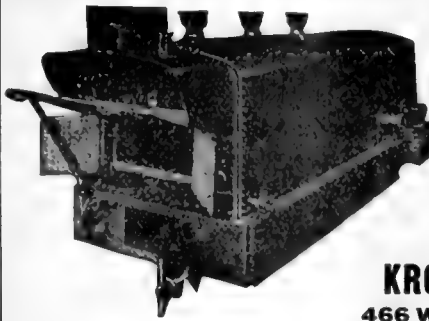
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Florist's Red Pots
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USED FOR
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GREENHOUSE MATERIAL**

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PURLINS, PIPE, FITTINGS, GLASS,
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Take advantage of the drop and book
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Our glass all new and fresh from
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CYPRESS SASH BARS
32 feet or longer
HOT BED SASH
PECKY CYPRESS BENCH LUMBER
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Glazing Points
For Greenhouses**

Drive easy and true, because
both bevels are on the same
side. Can't twist and break
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The Peerless Glazing Point
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"show you" that all we
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lating machines and
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true. Give us your next
order, and we will guar-
antee to satisfy you.

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Just to show you how popular this Ideal Plan No. 87 has proven; five duplicates were ordered from differ-

ent parts of the country in as many weeks, after the catalogue was published. One of the orders came from California and the business was transacted all by telegraph.

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LILIUM HARRISII

(The Bermuda Easter Lily)

LET US supply your wants in Lilies this season

We think we can make it to your advantage to do so, as regards both quality and price.

The stock that we offer is not gathered indiscriminately from all kinds of sources, but is grown for us by a few selected growers, whose stocks have been worked up from the true, original stock. In order to ensure the health of the product, the bulbs are not grown on the same field oftener than one season, other crops being grown on the field the preceding year. The ground is thoroughly manured when the previous crop is grown, leaving it in a high state of cultivation, and when the lily bulbs are planted no fresh manure is used, and this prevents disease and ensures a crop of strong, healthy bulbs.

In addition to this, we do not dig our bulbs as early as they are usually dug, but leave them in the ground until they are thoroughly ripened and matured. When Harrisii is good, it leaves little to be desired. There is very little, if any, stock obtainable as good as the stock that we are offering. We are supplying only this one grade of selected stock, and when this is disposed of, we shall have no more to offer.

While the quality of the stock that we offer is of the highest, our prices are as low as, or lower than, the prices of those who offer the ordinary stock gathered from indiscriminate sources. We are sure buyers will find our stock very satisfactory, and much more so than the Japan-grown Longiflorum, which has badly deteriorated in recent years.

Bear in mind that we were the original introducers of Harrisii in Bermuda, and that we have exceptional facilities for obtaining our present supplies. Also take note that the smallest bulbs that we offer are 6-7 inch bulbs, not 5-7 inch, as usually offered.

6-7 inch bulbs, 335 to the case, \$15.00 per case; full thousand lots, \$40.00 per 1,000.

7-9 inch bulbs, 200 to the case, \$16.00 per case; full thousand lots, \$75.00 per 1,000.

9-11 inch bulbs, 100 to the case, \$18.00 per case; full thousand lots, \$175.00 per 1,000.

FERNS

We have an exceptionally nice lot of ferns in the following varieties,—good, bushy, well-grown plants that will please the most critical buyers. Plants have been grown in pots, and are thoroughly well established and nicely finished.

Nephrolepis Bostoniensis and Pierstoni, 6-in. pots.....	\$0.50 each
Nephrolepis Elegantissima, Pierstoni, Bostoniensis, and Harrisii, heavy 8-in. plants.....	\$1.00 to 1.50 each
Nephrolepis Elegantissima, Bostoniensis, and Harrisii, heavy 10-in. plants	2.50 each

F. R. PIERSON COMPANY, Tarrytown-on-Hudson, NEW YORK

Xmas
Number

HORTICULTURE



DECEMBER 9, 1911

No. 24

"IT'S RICE FOR QUALITY AND PRICE"

MAGNOLIA LEAVES

Our recently introduced new-process prepared Magnolia Leaves have made a decided hit. Everyone who uses them is enthusiastic. Are you one of those who know how fine they are? If not, you ought to send for some right away; you'll be surprised to see how good, how reasonable and how economical they are. Scores of uses for them and they keep fresh and firm until needed. Rich brown and beautiful green in color. Run very uniform in the much desired medium sizes. Cost less than inferior goods. Here's a good investment for you.

Per Basket \$2.00.

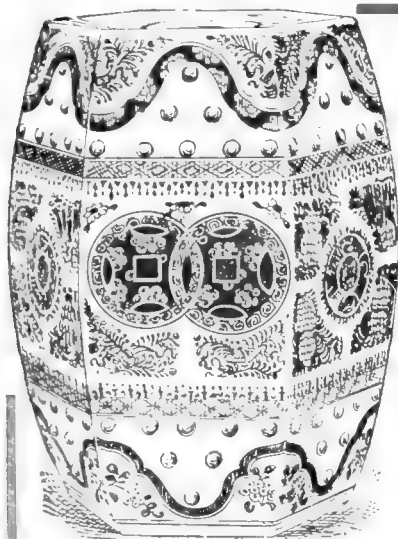
5 Baskets \$1.75 Per Basket Or More

Prices for large quantities on application. If in doubt—send for samples—they'll convince you. Just what you need for Christmas Wreaths.

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CANTON CHINA PLANT-POT



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SPECIAL OFFER.—We will send 1000, 50 each, 20 varieties, our selection from 2 inch pots for \$18.50; from 3 inch pots for \$25.00.

	2-in. per 100.	3-in. per 100		2-in. per 100	3-in. per 100
Standard Varieties	\$2.00	\$3.00	Hardy English Ivy	\$2.00	\$3.00
Ivy leaved and scented	2.00	3.00	Petunias, Double Mixed	2.00	3.00
Silver leaf Nutt, Mt. of Snow,			Verbenas, Red, White, Blue		
Mrs. Pollock	3.00	4.00	and Variegated	2.00	3.00
<i>Novelties</i> (all the best listed in			Lemon Verbena, Aloysia Cit-		
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Lobelia Kathleen Mallard	2.00		Swainsona Alba	2.00	3.00

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WASHINGTON-ENCHANTRESS differs from Rose Pink Enchantress as night from day. Washington is a sport from Enchantress with the best cerise or beautiful dark pink color—the Lawson shade—with stem, habit and productiveness same as Enchantress, and keeping qualities of the best. Stock is clean, healthy and well rooted. Guaranteed satisfactory in every respect.

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OWN ROOT—FINE STOCK

	Per 100
Richmond, from 3 in. pots	\$6.00
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Bride, Bridesmaid, Golden Gate.	
\$55.00 per 1,000.	\$6.00

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Fine Stock, 3 Inch pots
Pink Killarney, White Killarney,
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Our Catalog covers these, and will be ready Jan. 1. Have your name added to our mailing list.

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Florence Denzer, Watchung, Mrs. J. Dolansky, Pink Watchung, Mrs. C. H. Totty, Miss Josie Riely, Greenback, Mrs. Alex. Wallace, winter flowering, several plants to the pot, \$3.00 per 100 pots. Cash Please.

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\$3 per doz., \$20 per 100
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**The new Sargent rose originated by Jackson Dawson
now offered for the first time for fall 1912 delivery**

This seedling combines the good qualities of R. Wichuraiana R. Crimson Rambler and R. Baron Rothschild which have been used in its evolution. The flowers are single, about three inches across, pale rose in color and produced in greatest profusion in pyramidal clusters all along the stem and branches, blooming from the middle of May till end of June. The foliage is a beautiful glossy green and remains in good condition till late fall.

As this stock is limited book your orders early. \$1.50 each



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Also Notable Advances in Roses Originated by Jackson Dawson, which have received high honors at home and abroad

**Lady Duncan, Dawson, Daybreak, Farquhar,
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THE SARGENT ROSE

We also carry a LARGE STOCK of Fine Conifers, Deciduous Trees and Shrubs
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A Carnation by any other name "might smell as sweet," but it is a fact that very few of them do. The fragrance of "WODENETHE," is delightful. It has every other desirable quality also, size, perfect form, purity in color and the calyx positively does not split.

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BROOKLYN

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**Prices on these two Carnations, \$12.00 per hundred;
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Perles, " " 3.50; " " 25.00
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All Rose cuttings well rooted stock from flowering wood

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Six, nine and twelve dollars per dozen
Pink, white, variegated and red.
Red in small size only.

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5 in. h. \$1.00; 7 in. h. \$1.25; 9 in. h. \$1.50; 11 in. h. \$2.00; 13 in. h. \$2.50.
Extra fine plants.

CYCLAMEN.

5 in. h. \$1.00; 7 in. h. \$1.25; 9 in. h. \$1.50; 11 in. h. \$2.00; 13 in. h. \$2.50.
Extra fine plants.

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5 in. h. \$1.00; 7 in. h. \$1.25; 9 in. h. \$1.50; 11 in. h. \$2.00; 13 in. h. \$2.50.

A FINE LINE OF PYRAMID BOXES FROM \$3.00 TO \$5.00 PER PAIR ALSO FULL LINE OF PLANTS FOR CHRISTMAS

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We are booking orders for early delivery of all the best Commercial and Exhibition varieties, either new or old. When in need remember we make Chrysanthemums a specialty.

ELMER D. SMITH & CO.

Adrian, Mich.

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ARAUCARIA EXCELSA

4 in. pots, 10 to 12 ins. high, 2 tiers	\$.40 each
5 in. pots, 10 to 12 ins. high, 2 tiers	.40 each
5 in. pots, 14 to 16 ins. high, 3 tiers	.60 each
6 in. pots, 16 to 18 ins. high, 4 tiers	.75 each
6 in. pots, 18 to 20 ins. high, 4 tiers	1.00 each
7 in. pots, 20 to 24 ins. high, 4 to 5 tiers	1.25 each

ARAUCARIA EXCELSA GLAUCA

5 in. pots, 10 to 12 ins. high, 2 tiers	\$.55 each
6 in. pots, 13 to 15 ins. high, 3 tiers	1.00 each
7 in. pots, 16 to 18 ins. high, 4 tiers	1.50 each

ARAUCARIA EXCELSA ROBUSTA COMPACTA

5 in. pots, 10 to 12 ins. high, 2 to 3 tiers	\$.75 each
6 in. pots, 12 to 14 ins. high, 3 tiers	1.00 each
6 in. pots, 14 to 16 ins. high, 3 to 4 tiers	1.25 each
7 in. pots, 16 to 18 ins. high, 4 tiers	1.50 each

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A splendid variety, almost as compact as Robusta Compacta, and of a richer, deeper color.

5 in. pots, 10 to 12 ins. high, 3 tiers	\$.65 each
6 in. pots, 12 to 14 ins. high, 3 tiers	.75 each
6 in. pots, 16 to 18 ins. high, 4 tiers	1.00 each

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HENRY A. DREER, Inc., 714 Chestnut Street, Philadelphia, Pa.

LILIUM HARRISII

(The Bermuda Easter Lily)

LET US supply your wants in Lilies this season

We think we can make it to your advantage to do so, as regards both quality and price.

The stock that we offer is not gathered indiscriminately from all kinds of sources, but is grown for us by a few selected growers, whose stocks have been worked up from the true, original stock. In order to ensure the health of the product, the bulbs are not grown on the same field oftener than one season, other crops being grown on the field the preceding year. The ground is thoroughly manured when the previous crop is grown, leaving it in a high state of cultivation, and when the lily bulbs are planted no fresh manure is used, and this prevents disease and ensures a crop of strong, healthy bulbs.

In addition to this, we do not dig our bulbs as early as they are usually dug, but leave them in the ground until they are thoroughly ripened and matured. When Harrisii is good, it leaves little to be desired. There is very little, if any, stock obtainable as good as the stock that we are offering. We are supplying only this one grade of selected stock, and when this is disposed of, we shall have no more to offer.

While the quality of the stock that we offer is of the highest, our prices are as low as, or lower than, the prices of those who offer the ordinary stock gathered from indiscriminate sources. We are sure buyers will find our stock very satisfactory, and much more so than the Japan-grown Longiflorum, which has badly deteriorated in recent years.

Bear in mind that we were the original introducers of Harrisii in Bermuda, and that we have exceptional facilities for obtaining our present supplies. Also take note that the smallest bulbs that we offer are 6-7 inch bulbs, not 5-7 inch, as usually offered.

6-7 inch bulbs, 335 to the case, \$15.00 per case; full thousand lots, \$40.00 per 1,000.

7-9 inch bulbs, 200 to the case, \$16.00 per case; full thousand lots, \$75.00 per 1,000.

9-11 inch bulbs, 100 to the case, \$18.00 per case; full thousand lots, \$175.00 per 1,000.

FERNS

We have an exceptionally nice lot of ferns in the following varieties,—good, bushy, well-grown plants that will please the most critical buyers. Plants have been grown in pots, and are thoroughly well established and nicely finished.

Nephrolepis Bostoniensis and Piersoni, 6-in. pots.....\$0.50 each

Nephrolepis Elegantissima, Piersoni, Bostoniensis, and Harrisii, heavy 8-in. plants.....\$1.00 to 1.50 each

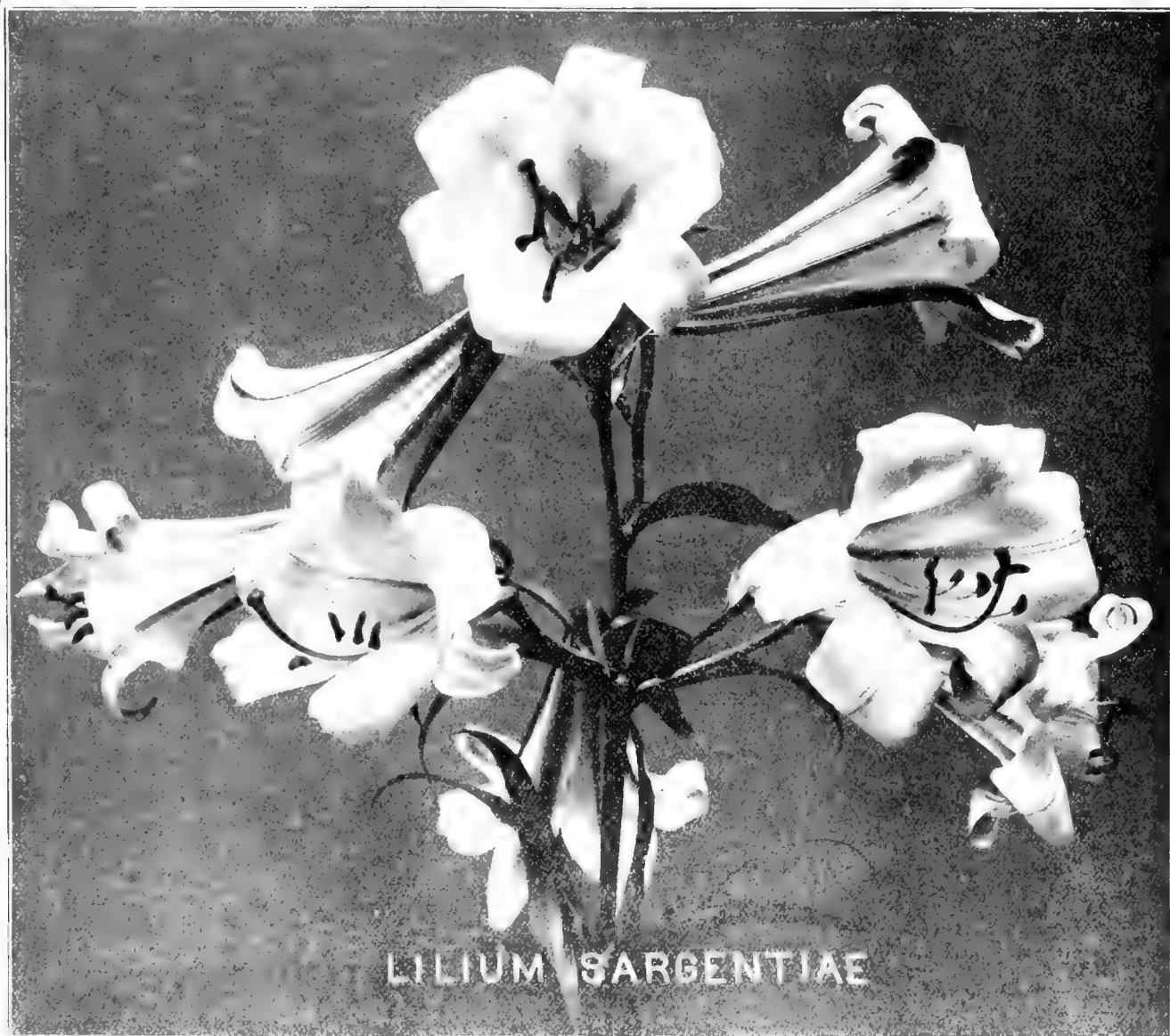
Nephrolepis Elegantissima, Bostoniensis, and Harrisii, heavy 10-in. plants 2.50 each

F. R. PIERSON COMPANY, Tarrytown-on-Hudson, NEW YORK

FARQUHAR'S

NEW AND RARE

CHINESE PLANTS and LILIES



OUR CATALOGUE FOR 1912

Will be ready January 1st, and will contain

MORE GENUINE NOVELTIES

than any catalogue ever before issued in the United States.

These Novelties include Beautiful New Shrubs, Vines, Hardy Plants and Lilies. It will be mailed free on application.

R. & J. FARQUHAR & CO. 6 & 7 South Market St.
BOSTON, MASS.

Two Useful Tenants of the Herbaceous Border

PYRETHRUM ROSEUM, THE PINK MARGUERITE.

The real charm of daisies, using the name in the broad, popular meaning applied to flowers of botanically entirely different plant species, is their characteristic simplicity. Through ages civilized mankind has loved the modest beauty of all those plain single flowers commonly called daisies. At the approach of each spring we greet the small blossoms of the wild *Bellis perennis* on the sunny meadow with gladdening eyes. It is our first daisy, true to its name. Horticultural pursuits soon bring about the acquaintance with *Chrysanthemum frutescens*, the Paris daisy, or Marguerite and its more pretentious semi-double and double offspring of recent date. We, too, learn to appreciate the merits of *Chrysanthemum maximum*, known as the Shasta daisy, and its numerous more or less distinct varieties claiming recognition as such. What I have mentioned of cultivated types so far, however, appears chiefly conspicuous by the immaculate glistening white of wonderful regular rows of petals. The desire to produce flowers of the same classic form in various clear distinct color-shades has led many of us to try to solve the apparently vexatious task of growing the brilliant hued Cape daisy, *Gerbera Jamesoni* and its various new hybrids. The repeated failures in this direction are very apt to induce the North to a higher valuation of the hardy *Pyrethrum roseum*, frequently called the pink daisy, or the pink Marguerite. Of perfect form, the color scale of its numerous garden hybrids reaching



Photo by courtesy of Mt. Desert Nurseries.

PYRETHRUM HYBRIDUM ROSEUM

ficiently drained and an open sunny exposure. South of Boston it appears at its best during May and June, while farther north the flowering season extends well into the month of July. Under normal conditions plants attain a height of from 2 to 3 feet. The old stalks removed in time causes the plants to lightly bloom again in the fall. *Pyrethrum roseum* can be easily raised from seed which, however, only to a certain percentage comes true to color. For special color scheme arrangements it is therefore more advisable to buy previously assorted plants.

In modern garden planting with its tendency for higher values in artistic floral effects *Pyrethrum roseum* and its new single and double hybrids represent a material which no landscape gardener or garden owner at present can afford to overlook.

MONARDA DIDYMA.



MONARDA DIDYMA.

from pure white to almost dark crimson makes the flowers a splendid material for vases, table decoration and even for fancy design work.

Pyrethrum roseum is the perennial par excellence for choice outdoor effects. As a native of the Caucasus mountains it is under proper winter cover perfectly hardy as far north as Canada. The requirements for a thrifty growth are a rich, rather light garden soil, suf-

ficiently drained and an open sunny exposure. There is no scarcity of perennials which, as strong stately specimens, show to their best advantage when placed singly; be it as nucleus of mixed herbaceous borders, or on conspicuous places as forerunners of shrub plantations, or as solitary ornaments on the small sheets of lawn of city house front or back yards. As a few instances I mention *Gunnera scabra*, *Yucca filamentosa*, *Funkia subcordata grandiflora* and nearly all the peonies. Again there is a large number which should be planted from the very start in sufficient number and close enough for a good and early mass effect. In the latter class we must count the monardas. Scattered singly here and there they are apt to be lost to vision; associated together in clumps of liberal size however, they become at once interesting, impressive, and while in bloom, decidedly handsome. As natives of our hemisphere monardas belong to our hardiest flowering herbaceous plants in northern States. Their characteristic erect, at the top, branched growth, the aromatic foliage and the blossoms forming dense heads or whorls surrounded by bracts, make an ideal material for border planting.

Extensive popularity has developed quite a number of common names such as Horse-Mint, Bee-Balm, Oswego

Tea, Bergamot and others of merely local bearing. Widely distributed, we find at present perhaps only the original *Monarda didyma* with bright scarlet flowers. The heads and bracts of the recently introduced variety—*Cambridge Scarlet*—are of darker shade, while "rosea" bears rose-colored and "splendens" conspicuously bright crimson-hued heads. All mentioned species prefer a sunny exposure, light soil and apparently do best in moderately moist and low locations. For dry grounds the wild bergamot, *Monarda fistulosa*, can be safely

recommended. This species appears in two colors—rosy purple and white. Both varieties are, too, well adapted for the wild flower garden.

Monardas propagate very easily by root division. Cut flowers possess splendid lasting qualities and for that reason represent valuable material for indoor decoration.

Richard Rothe

Northeast Harbor, Maine.

Gladiolus Notes

The season past, has been a pretty severe one for gladioli, especially for developing seed. Although I put in the usual amount of work in crossing, I gathered the record small crop of seed. The bulbs turned out much better than I expected, considering the long extended drouth, but I worked the hoe and cultivator double time, conserving all the moisture possible in this way.

The blooming period was not at all satisfactory this year. Many of the new sorts I bought for trial did not bloom. In some cases the bulbs sent me were evidently old worn out bulbs that probably never will bloom. I don't understand why so many growers send out this kind of stock. I have been trying for three years without success to obtain young stock of *Gladiolus Sans*. Pareil, probably the most beautiful salmon pink *gandavensis* in existence. From about 150 large bulbs of this variety I managed to get something like sixty bulb-lets but with the most careful culture I only got eight puny little cormels. The old bulbs of many choice varieties will not produce vigorous bulb-lets.

As a rule, the longer a bulb is grown from divisions, the more flattened it becomes, so that when we get the round or conical-shaped bulbs we are apt to think that we have some strong young bulbs. This is not always to be depended upon for a great many of my oldest bulbs that I have been growing for seeding three and four years, were as round as virgin bulbs when I dug them this fall. On the other hand, the variety Mrs. Frank Pendleton is invariably flat the second year from bulb-lets, if over seven-eighths of an inch in diameter.

The two best new white sorts I have tried this year are Isabel (M. Crawford) and White Queen (Geo. Poppe, Jr.). The latter sort is a solid white and the one healthy bulb out of six I bought produced a strong healthy plant and a splendid spike of pure white flowers equal to any of the solid white varieties I have seen and which I have not yet tried.

But I must be careful with all of the so-called pure white sorts, as I have seen that all of them require special treatment to grow them healthy and have them produce good spikes of flowers. The new French white *Reine a la Anjou* (*Reine Blanche*) is the one exception. This variety is so strong and vigorous in all sections.

On my way to the Baltimore convention I stopped at Flowerfield, L. I. to look over the vast fields of gladioli of John Lewis Childs. The visit well repaid for the time spent, and I shall always remember with pleasure the interesting and instructive chat with Edward Joerg, as we walked through the magnificent fields of gladioli. It is not only the justly famous *Reine Blanche* and *Reine a la Anjou*, but the varieties of all sections and from all parts of the world. Side by side with the healthy Aline, Blanche and Alaska are some of the new pure whites of Europe and America. The plants are so strong and healthy and vigorous

or a good spike of flowers. A few of the varieties that especially took my fancy I will describe: *Cardinal*—a splendid scarlet of good size very clear and rich color. *Dorothy Burnham*—a grand flowered variety of a bright rosy pink color with a large pure white throat. *Helen*—fine white striped with crimson. *Prescott*—white tinged with pink, dark throat. *Splendor*—large flower, soft pink or rose with a large magenta stain. *Scribe*—the Childs cousin of the old but still popular Eugene Scribe but to my eye much better. *Gallieni*—a large splendid red from Europe and the following superb sorts that I will not take up your time in describing—Alec Wallace, Rubesfeur, Pres. McKinley, Gertrude, Barclay, Silver Sheen and Japnick.

Among the fine varieties from Europe that bloomed with me this season were *Soliel d'Or* a good yellow from A. Gravereau, France; *Mons. A. Brougmart*, a fine pink, large white blotch; *Madame de Vilmorin*, very large pale flesh pink, striped rosy carmine; *Melusine*, soft lilac with a white band and straw colored blotch on lower petals, and *Cordelia* a fine *Lemoinei* of a very fresh pink with two carmine blotches on a white ground.

At Rochester last year I saw *Niagara*, and at Baltimore I saw Mr. Banning's other beauty, *Panama*, but not until I had seen these two beautiful varieties in bloom in my own garden, did I appreciate these magnificent gladioli, and I want to say the same of *Kunderdi Glory*. Those who have only seen these varieties at Baltimore and Rochester, have not seen them at their best.

Mr. Montague Chamberlain is growing some wonderfully beautiful varieties and has been capturing valuable prizes with them this summer. There are four varieties that are well deserving of mention:—*Rajah*, a deep, almost solid red; Mrs. M. Chamberlain and Mrs. L. Merton Gage, two most beautiful white sorts, and *Improved 1900*, similar to the old 1900 but more brilliant if possible and perfectly healthy and vigorous.

L. Merton Gage

Orland, Mass.

The Rose

We are indebted to H. A. Dreer for the handsome rose portrait which is the central feature of our title page this week. The rose is pre-eminently a Christmas favorite and each year sees the quality of the product of our rose growers advanced beyond their previous record. The present season is notable in that respect. The rose, as a florists' flower is far, very far, from standing still now, however it may have appeared to lag in the past.

Culture of Phalaenopsis

While looking through the pages of *Horticulture* recently I noticed that *Phalaenopsis* were included in the list of cut flowers on which prices are quoted. This would indicate that they have become an important factor amongst choice cut flowers in the market of the larger cities at least and therefore a few general remarks on their cultivation might not be out of place at this time.

Phalaenopsis is generally considered hard to grow, and this is true to a certain extent, but if certain little details are strictly attended to no serious trouble should be experienced in their cultivation even by the beginner. I have in my care over four hundred of these lovely orchids which were purchased in November, 1904, at the St. Louis Exposition, where they formed part of the Philippine Exhibit. The plants were at that time all growing on sticks of wood just as they were imported from the Philippine Islands. They arrived here on a cold November morning and it was due

to mere luck and quick action that all of them were not frozen; they came in well ventilated boxes without any packing around them and the thermometer stood at 26 degrees! Some five or six plants were frozen, however, but most of the rest are alive today and giving a good crop of flowers every winter and some flower all the year around so we are never entirely without bloom.

At present there are over a thousand expanded flowers of the white *Phalaenopsis Aphrodite* (or *A. amabilis*, as it is generally but wrongly called) and they make a glorious display. *Ph. Schilleriana* with its great panicles of rose-colored flowers comes in bloom from four to six weeks later. With it flowers *Ph. Stuartiana*, another beautiful variety.

To grow *Phalaenopsis* successfully a suitable house must be provided in the first place. They require at all times a fairly high temperature and therefore the house should have ample heating facilities. One should be able to keep the temperature at 58 degrees to 60 degrees at night in severe cold weather, without unduly forcing the boiler. In milder weather 65 degrees at night will not be any too warm and the nearer one can keep the house to that point the better.

Newly imported plants should be put in pots or baskets as soon as possible, using live sphagnum moss or osmunda fibre or both as a rooting medium. Any roots the plants may have should be carefully spread over the surface of the potting material and the plant securely tied to sticks or the wires of the pots or baskets

to the rods, which will soon rot, and have taken good hold of the compost. The receptacles are filled with coals or charcoal nearly to the rim, keeping it tight and to prevent spread a thin layer of the compost over the coals and then put the plants in position and water same. They are then hung up, keeping them a foot or so from the glass. The house should be dampened down once or twice a day and the plants syringed every bright day. They must be shaded from the direct rays of the sun at all times, using more or less shade according to the time of year. Very little shade will be required from the middle of October until the first or middle of February; ground glass or any other kind of shade of equal density will do during this time. After that the amount of shading should be gradually increased until about the first of June. During June, July and August the plants should be shaded quite heavily. Some movable shades, like canvas or laths, which can be rolled up or down at will, should be used in addition

to a light coat of white lead and naphtha. This will enable one to gradually get the plants used to the sun again by letting them down a little later and pulling them up a little earlier each day until they can be dispensed with for the rest of the season; on all cloudy days they are left rolled up, thus assuring the maximum amount of light at all times. And



BENCH OF PHALAENOPSIS

light, as we all know, is the most important factor in producing good and plenty flowers. Where too much shade is used nice green leaves and few flowers will be the result, and, besides this, the plants will be more the subject to disease.

During the hot, damp days of summer, when no fire is needed to keep the house warm, great care must be taken to avoid a stagnant atmosphere. A little air must be left on day and night to prevent the atmosphere from being overcharged with moisture, otherwise trouble will soon follow.

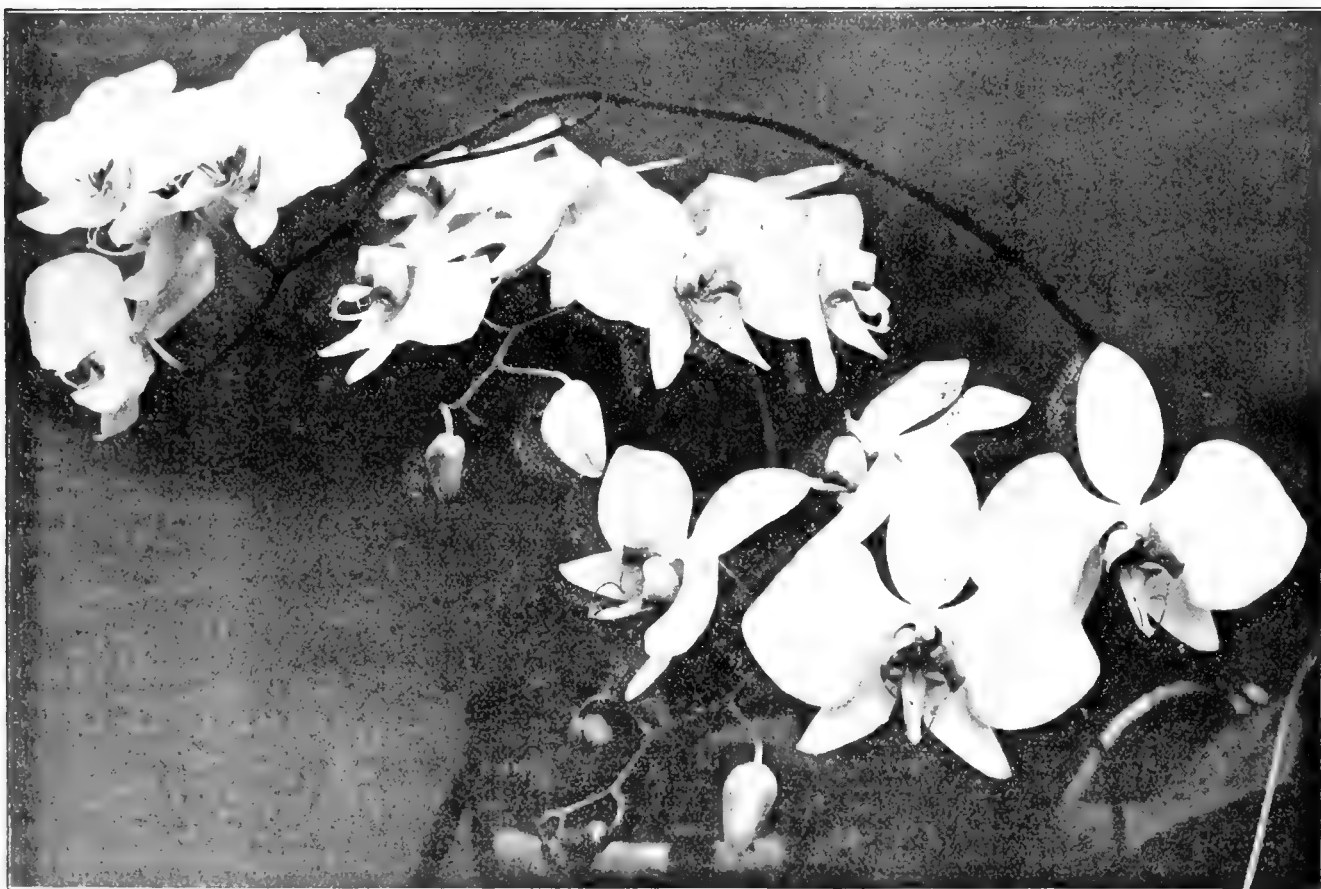
The plants will start to decay, beginning sometimes in the heart of the plant but more often at some point of one or more of the leaves. As soon as this disease makes its appearance it is a sure sign that the house has been kept too warm and damp and insufficiently ventilated. A sharp lookout must be kept for this disease whenever fireheat is dispensed with. It will appear on the leaves in the shape of little transparent blotches, but if cut away at once, taking part of the sound healthy leaf with it, the plant can usually be saved. Should the trouble begin in the heart it is very difficult to cure, as the

ther progress, but by carefully cutting out all the diseased part and dusting or dressing the injured part with sulphur or lime most plants can be saved. Should the disease have gone too far before being noticed it will be best to cut off all the diseased leaves down to the root, treat the wound with sulphur and then hang the plant up out of the way of the hose. Do not water until the plant starts to grow again. In some instances it may be well to remove some of the potting material for the time being. It is astonishing how quickly this disease will spread; from a little spot the size of a pin head it will in a few days spread over and kill the whole plant if left alone, therefore one can not be too careful in this matter.

Plants of *Phalaenopsis* are quite expensive and it pays to take good care of them. If properly treated they will grow better and bigger from year to year, and as they get larger they will also produce larger sprays of flowers

The use of tepid rain water for watering is generally advised and no doubt is very good where it can be carried out, but here they get along on pure cold well water very nicely, never having tasted any rain water since they left the Philippine Islands. During the growing season I take them down whenever I can spare the time and dip them in very weak manure water. This does them lots of good and I only regret that I can not do it oftener owing to lack of time. It is quite a job for one man to take down some 500 plants and dip, besides doing all the other regular work.

All during the growing season (which commences when the plants begin to make new leaves and ends when the last leaf is made up) the plants must have plenty of moisture at the root, giving them a good soaking as soon as they show signs of getting dry. After that the amount of water given should be grad-



PHALAENOPSIS RIMESFABIANA

and it is the flowers we are after. This can not be said of cattleyas and most of the other commercial orchids. Under ordinary treatment they grow a little smaller every year, produce less flowers. It is just the very opposite with *Phalaenopsis*, here—the older the better.

Keep insects pests down by the free use of the hose and some good insecticide. Do not smoke with tobacco stems while the plants are in bloom, as it will quickly put the flowers to sleep. Private gardeners who have plenty of time and help can sponge the leaves occasionally with tepid water and take the plants down several times a week and dip those that are dry in tepid rain water of the same temperature as the house; this will be beneficial to the plants no doubt; but the average commercial florist can't afford to do it. My plants have been sponged once in the seven years they are here and then only because I had a dose of red spider on them which I could not get rid of otherwise. Since that time I use the hose freely and they have been clean ever since.

ually reduced until the flowers have developed. After these have been cut the plants should be allowed to dry out thoroughly each time before water is again applied.

While the plants are in bloom the atmosphere of the house should be kept quite dry to prevent spotting of the flowers. If any should flower out of season, remove them to dryer quarters. Keep the temperature as near as possible to the following mark: Growing season, night 65 degrees to 70 degrees, day 75 degrees to 95 degrees or more, providing the plants are sufficiently shaded. Resting season 65 degrees at night, 70 degrees to 75 degrees during the day. Above all things look out for that fatal rot or it will quickly do them up and make it an unprofitable investment. If all goes right there is no better orchid in the market today.

M. J. O'Keefe

Naugatuck, Conn.

Seasonable Notes on Culture of Florists' Stock

CARE OF YOUNG LORRAINE BEGONIAS

Plants that were propagated from leaf cuttings in October should be sufficiently rooted now or in a couple of weeks to go into 2 or 2½-inch pots. These plants like a light sandy mixture so give them a compost of about four parts good loam, two parts leaf mold and one part well-rotted manure, with enough sand to make the whole light as they will not stand anything approaching a stagnant moisture at the roots. After they are potted give them a place in a house where the temperature stands anywhere from 60 to 65 degrees at night and as close to the glass as possible, giving some shade on all days when the sun is powerful. They will want a somewhat close and moderately humid atmosphere and a nice gentle sprinkling on good days. Fresh air must never be entirely excluded in good weather, for while they like a moist atmosphere they will not stand a muggy one. Ventilation will have to be properly managed from this out, so as to meet the many excessive changes in temperature that come with this time of the year. Watering should be done with care giving just enough to keep the soil damp but not saturated for it is better to keep rather on the dry side than to over-water.

CHRYSANTHEMUMS FOR STOCK

It is now time to select stock for bench and pot culture, for decorative purposes and exhibition next year. In deciding how many and of what varieties are needed it is well to bear in mind that while some make cuttings abundantly and root freely other varieties are just the opposite. Having made your selection, place the required number of plants in boxes of 4 or 5 inches of soil, packing the roots close together and firming the soil well around them, afterwards giving them a good watering. Keep this stock in as cool a house as you have and if pinched for room place them in a deep cold-frame where they can be kept just above freezing. Be sure to have all your varieties labeled with new labels.

BOUVARDIAS

Plants that were selected early in October and dried off in a cool house can by this time be started into growth. Cut all the immature wood back to well-ripened wood and give them a good soaking of water so the ball becomes well moistened. Give them a house where the temperature runs from 60 to 65 degrees at night, with a rise during the day of 10 to 15 degrees. Keep the plants moist by syringing them overhead two or three times a day. In a short time they will break away freely from every joint producing a heavy growth that will make a fine batch of cuttings. These cuttings can be taken close to the base of the mature wood and placed in a warm propagating frame where the temperature of the sand is from 70 to 75 degrees. Keep them moist and close and in a short time they will have formed nice roots. When potting these cuttings into small pots use a mixture of sifted loam three parts, leaf-mold two parts, and a little rotten cow manure with some sand. Keep them rather close and shaded until they have made a few new roots when they should be given a place on some bench where they will have plenty of light and a temperature of from 60 to 65 at night. *Bouvardia Humboldtii* is a popular favorite.

DENDROBIUMS

All dendrobiums that have flowered during the spring and summer such as *Dendrobium Devonianum*, *D. densiflorum*, *D. nobile* and its varieties, *D. suavisissimum*, *D. thyrsiflorum*, *D. Wardianum* and also many hybrids, now that their growth is maturing should have water gradually withheld so as to bring about that resting period which is essential to the successful flowering of these fine orchids. It is very important to give them a house where they will get more sunshine with less moisture in the atmosphere. To obtain this, ventilation should be admitted at all times when the outside conditions will permit. Temperature has to go hand in hand with the above condition so as to give them a decided period of rest; anywhere from 50 to 55 will be sufficient. When in this temperature give only enough of moisture at the roots to prevent shriveling, but they will be better for a spraying overhead on all bright days. When the flower nodes appear they should be given a warmer and moister house.

PROPAGATING CARNATIONS

Those who have three or four houses of carnations to provide stock for should start now and put in a batch of cuttings. A propagating house is the best, but where you have not this at command any bench that is situated where no strong draughts will strike it will answer the purpose. Remember you cannot take too much pains in having everything around the cutting bench in a clean state. Give the sides and bottom a good coat of hot whitewash to kill any fungus germs and then cover the bottom for about an inch or so with some coarse material for drainage. On top of this place about three inches of clean sharp sand of a medium grade of coarseness and pack it all over so as to be firm. Keep the sand from 60 to 65 degrees of heat, while the atmosphere of the house should range from 48 to 50 degrees to ensure a good strike. Where the sun strikes the bench shade with some muslin, which can be removed in the evening and on cloudy days. Plants that have been grown from July in the house should by this time give an abundance of nice cuttings from side growth which will make fine material for propagation without sacrificing your bloom.

PROTECTING PANSIES, ETC.

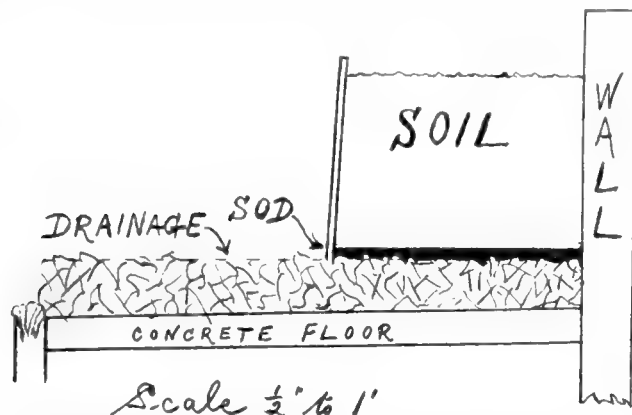
Pansies, daisies, myosotis, pinks, hollyhocks, violas, etc., that are in frames and have been exposed until the ground becomes pretty well tightened up with sharp frosts, can have a light covering of some perfectly dry leaves and then the sashes should be put on. During all mild days through the winter give ventilation so as to keep the ground in a frozen state. It is a good plan to cover the sashes with mats or any other non-conducting material to keep the solar heat from reaching them until the time when you wish to start and grow them on.

John J. M. Farrell

Mr. Farrell's next notes will be on the following: Care of *Calceolarias* from Nov. On; Potting Early *Narcissus*; *Fuchsias*; *Gloxinias* for Spring Flowering; Increasing Fern Stock; Lilies Intended for Easter.

Fruit and Vegetables Under Glass

There is an old adage which says, "There are always two ways to do a job, viz., the right and the wrong." This same rule applies to making a vine border; years of study have taught us a great deal relative to this. In olden days the houses were built and the soil which happened to be there was used to plant the vines in. In some instances no doubt this answered and for a time



Sketch showing end view of vine border, with space left for more soil to be added later.

fairly good crops were produced, but no one could forecast how a crop would finish or how long the vines would last. In those days, as old garden books have it, dead animals were buried in the borders to furnish the vines with food. Up-to-date methods differ vastly from all this and we see vines producing a uniform crop year after year of finely finished and delicious fruit.

To commence making a border means to provide for it when accepting the plans for a new house, in the form of excavating the soil to a depth of four feet, having the sidewalks go down below this. A concrete floor should be laid on the bottom having a fall to the center, where a drain should carry away the water into a sewer. This is the first great step. Some may wonder what makes it necessary to have a floor beneath the roots. (1) This keeps the roots under absolute control and you know exactly how much soil the roots are growing in. (2) You are assured of good drainage which carries so many good points with it. Penning the foregoing reminds me of some renovating I was working on some years ago. We had torn an old border down in the endeavor to trace a strong root of a Muscat-Hamburg; after much work we ran it to the wall where it had gone underneath the foundations—the border having no concrete bottom—and must have been growing under a near-by road. The health of the vine was not satisfactory and in a "death or glory" effort we were told to cut it off which we did and we got the first mentioned result as the vine never recovered from this amputation. This goes to show the necessity of perfect control. Coming to the drainage—four-inch land draining pipes should be placed at intervals of about six feet running with the grade to the drain. Broken bricks should now be thrown loosely over the whole bottom to a depth of from nine inches to a foot, using a few smaller ones for the top. Place a good sod grass downwards over all the broken brick and it is ready to receive the soil. Here I would say it is not advisable to make up the whole border at once; better make it three to four feet wide and add more soil as the roots need more room. Chop down the loam—already stacked—and to every ten loads of soil add one bag of large bones (2 inch), one of half-inch bone, and two bags of charcoal and mix well together. This mixture is given for a soil of

medium texture. Heavy soil might need more opening material, while light soil would want less charcoal. Just firm the border as the soil is brought in but do not make it real hard. When planting vines from pots, shake the roots out and spread them evenly over the surface not more than three inches deep. This gives more feeding surface and encourages surface roots from the commencement. Providing the soil is stacked in time and protected from frost and rain this work can be done any time during the winter months.

PRUNING PEACH TREES

Peaches growing in pots are easily pruned. Keep the center of the tree open to admit air and light, leave all new wood possible and balance the tree by reducing any shoots of great length. Trees growing on a trellis are somewhat different. If properly disbudded there will be very little wood to cut away. Any old wood which can be replaced by new should be discarded. Take enough wood out so that the tree is not crowded when tied in again. A space in the center is best left open, as young growths will always fill in this especially if the trees are disbudded on the top side. Always endeavor to furnish the bottoms with as much growing wood as possible.

FIG HOUSES

All fig trees will now be resting and pruning and winter cleaning and renovation of borders can be proceeded with as time allows. Prune similar to a peach tree, leaving as much young wood as possible. When the tree is tied in again each shoot should have a space of at least six inches as its massive foliage requires plenty of room and light to develop. When washing the young wood great care must be exercised, so that the small fruit which form the first crop are not rubbed off. As with other trees the cleanliness of a fig must determine the nature of the winter wash. A fig requires plenty of water while growing and thrives best in a good retentive soil. Do not allow the trees to become dust dry while dormant. Figs are very rapid growers and do best where the trees can have plenty of trellis room without having to prune them too much each year. The house can be dropped to 28 degrees—more frost is liable to injure the young growths.

PEAS

This delicious vegetable can be grown successfully under glass and from now on seeds can be sown which will furnish a supply of green peas long before they are obtainable outside. With the turn of the year and an increase of sun growth will be better and crops will come in quicker. A pea likes a good rich, moderately heavy soil and should be given a deep bench. Raised benches are preferable to solid at this time of year. They dry out quicker, the soil is warmer and the roots get more air. The small growing varieties recommend themselves for side benches with a limited head room; taller ones can be employed more profitably if head room permits. Give a liberal supply of water during the whole growing period. A night temperature of 55 to 60 with the usual advances by day will suit them. Such varieties as Nott's Excelsior, Harbinger, Little Marvel and American Wonder will be found satisfactory on side benches while Gradus has stood the test as one of the most reliable of the taller growing peas.

George H. Benson

New Winter-Flowering Shrubs

Although we already have a considerable number of shrubs which are capable of being utilized for winter-flowering purposes it is important that any new additions should receive careful attention and the varieties mentioned below are capable of proving of great value to the florist and those who have to provide flowering plants during the dull months of the year. Variety is a matter of paramount importance. The varieties I mention are all more or less new introductions from China but some have already abundantly proved their worth as winter-flowering plants.

Jasminum primulinum is undoubtedly one of the finest greenhouse plants in existence. For the florist it is a plant of great value and for all forms of decorative work has a great future before it. In its native habitat this jasmine creates a wonderful display and in this country it can be grown very successfully in the open either as a bush or wall shrub where it is not subjected to more than fifteen degrees of frost and cold winds are not likely to prove a disadvantage.

Propagation is very simple from cuttings taken, if possible, with a heel attached and inserted in a sandy compost. These can be taken at any time when growth is active. As soon as well rooted they should be potted off singly into small pots and the most suitable size for flowering them in for decorative purposes will be three and five-inch, using a compost of loam, decayed leaf-mold and sand. During the summer months the plants can be grown outside, bringing them in about the end of October when the growths will be in good condition for flowering.

Two other great additions to our winter-flowering plants are *Buddleia officinalis* and *B. asiatica*, both of which come from the East, where they are well-known and highly appreciated. Their cultural requirements are the same as advised for *Jasminum* but five or six-inch pots will be the best size to flower them in and after placing in a warm greenhouse they will respond well to liberal feeding and flower more freely if pot-bound. The foliage of *B. officinalis* adds much to its attractiveness, both this and the stems being covered with dense white hairs. The flowers are produced in narrow racemes at the end of the main stems and also from the numerous side branches. These are lilac in color with an orange eye and very sweetly scented. The same remarks apply to *B. asiatica* with one important difference—the flowers are pure white and also deliciously fragrant. Both of these make attractive plants for pot culture and their value for cut flower work is enhanced by the great length of time they remain in good condition.

Deutzias have always been among the most popular of shrubs for forcing and among the new Chinese introductions we have some most welcome additions. *D. Wilsonii*, a large pure white flower, is the finest of all, with gracefully arching stems along which the flowers are produced with great freedom. *D. discolor major* has been used for forcing quite largely, though not common here yet. This also has white flowers and the long arching sprays are particularly valuable for cut work. Other new species from China include some with rose-colored flowers and these when plentiful are sure to be much appreciated. In growing *Deutzias* for winter-flowering it should be remembered that the principal factors are a restricted rooting area, well ripened wood and very gentle forcing.

Arthur. E. Thatcher

Loropetalum chinense



Medium-sized shrubs that can be made to flower during the dull winter months are of great value for decorative work. The difficulty is that the trade are addicted to working on similar lines and so few are willing and courageous enough to break fresh ground. The system in vogue produces keen and legitimate competition but it so limits the variety of the output that there is a decided sameness everywhere in florists' windows and markets.

The subject of this note is not a new plant: on the contrary, it is quite an old plant but it is seldom seen and by no means appreciated at its proper worth. It is not hardy and will only bear with impunity a few degrees of frost. For forcing it should be grown in pots and after flowering given a short rest, then pruned lightly, repotted and grown on in moderate heat. About mid-June plunge outside. A fair amount of sun, restricted root-room, plenty of water and feed are the essentials. House the plants before the early frosts set in and keep well up near the light. By regulating the temperature the plant can be had in flower continuously from Christmas to March.

Though closely allied to the witch-hazel this plant with its long strap-shaped pure white petals superficially resembles the Chinese fringe-tree (*Chionanthus retusus*). Every short and tiny twig terminates in a cluster of snow-white flowers. So profusely are these flowers borne that they almost hide the small, neat foliage. The flowers last well, and the plant withstands a fair amount of rough treatment and is well adapted for conservatory and general decorative work.

Loropetalum chinense is native of rocky places in eastern and central China, between sea-level and 2,500 feet altitude, where it forms a twiggy, much-branched, semi-evergreen bush 2 to 5 feet tall. It was introduced to cultivation by the late Charles Maries, about 1869.

E. W. Wilson

Arnold Arboretum, Boston.

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Our seventh
anniversary

For the seventh time HORTICULTURE presents its annual holiday number, fully conscious of its many shortcomings, yet not without a certain amount of pride which we feel is pardonable and which we believe our readers will be ready to excuse after they have looked through its pages. When "the Boston paper" entered the already well-occupied field of horticultural journalism seven years ago, it was with a full realization on the part of its promoters of the long uphill task ahead and the many obstructions and hindrances that it must expect to find blocking its path. But we thought we could discern in the dim outlook a path which, courageously and patiently followed, would eventually lead to success and an honorable position in the estimation of those whose interests we sought to advance.

On a
secure footing

And so the uphill climb was begun. Convinced that an imitation or duplication of the style and methods of existing journals would be almost suicidal, it was determined from the outset that HORTICULTURE would be *different* and would, at least, aim to be a better exponent, if possible, of the spirit and purpose of American horticulture than its contemporaries. How far this aim has been achieved we leave to each one of our readers to decide for himself, but there's encouragement, at least, in the fact that the obstacles which loomed ahead and which even some of our best friends regarded as almost insurmountable were one after the other overcome—and today after seven years of "hammering away," HORTICULTURE finds itself secure in its footing and nobody disposed to openly question its permanency or its usefulness.

Where
credit belongs

What has been accomplished thus far towards gaining the confidence and practical support of the horticultural industries of our country is not all apparent on the surface, but in our periodical special numbers, of which the present issue is a good example, it crops out in unmistakable quality as anyone who turns to its well-filled advertising pages or carefully selected reading articles will realize. All this has been made possible, not through any especial ability on our own part but primarily because of the generous and indulgent attitude of the trade extended unflinchingly from the beginning. It is only right that we should make this acknowledgment here and, as far as lies in our power, see to it that the liberality and enterprise of the advertising firms whose patronage make this special issue possible is well rewarded in direct increased business returns. And those of our readers who can see their way clear to turn in some good trade to the houses herein represented will, in doing so, confer upon this paper a lasting, far-reaching and deeply-appreciated favor which, we doubt not, will prove to have also been equally advantageous to themselves.

BRITISH HORTICULTURE

November Chrysanthemums.

The National Chrysanthemum Society's November show at the Crystal Palace attracted many meritorious entries and numerous appreciative visitors. The immense glass house was brilliant with the mass of blooms. The trade section was particularly strong. In a central position a bold group of chrysanthemums was arranged by H. H. Jones, Ltd., of Lewisham. The society awarded a large gold medal. A similar award was made to Norman Davis, of Framfield, Sussex, who has introduced a number of popular varieties. Amongst the novelties shown by Mr. Davis was Charles Dickens, a fine single of a golden yellow tint. This received a first-class certificate. In a class for twelve bunches of dis-budded chrysanthemums as grown for market there were many creditable displays, showing the high standard the commercial growers have reached. A splash of bright color was added by the new zonal pelargoniums exhibited by W. H. Page, of Tangley Nurseries, Hampton. The classes for table decorations were well filled, and furnished an artistic addition to the show. The baskets of autumn foliage and fruit with the tasteful blending of the tints and splendid finish were noticeable features.

Some New Additions.

There appears to be no limit to the raising of novelties. The list of varieties is getting perplexing and a weeding out process is evidently needed to keep this within reasonable limits. At the show above referred to a big batch of novelties came up for the floral committee's consideration. In thirteen instances awards were made; in a number of other cases the committee expressed the wish to see them again. Those receiving awards were as follows: Yellow Caprice, a sport from Caprice du Printemps; Heston Bronze, light bronze Japanese; Celia, bright yellow single; Mrs. Percy E. Wiseman, incurved, primrose tint; Mrs. John Peed, bright yellow single; White Beauty, white large-flowered single; Caterham Bronze, bronzy terra-cotta; R. G. Burge, white large-flowered single; Charles Dickens, golden yellow single; Mrs. Andrew Walker, a chestnut sport from Freda Bedford, a decorative market kind; Dorothy Dann, terra-cotta single; Miss Margaret Walker, a bronze single; Shoreham Old Gold, a single of the tint its name indicates.

National Hardy Plant Society.

At the annual meeting of this Society at Birmingham, the following officers were elected: Chairman, A. J. Macself; Vice Chairmen: Messrs. R. Pinches, MacWatt, and W. H. Payne, respectively representing South Scotland, North Scotland, and Ireland; Treasurer, J. S. Brunton; Secretary, Frank Bouskell. Arrangements are being made for the Society's first annual show to be held next year at the Royal Horticultural Hall, London.

A Criticism of French Gardening.

Sometime ago the London daily Press gave the French system of intensive culture a big boom. Under the picturesque title of "Golden Soil" some alluring word pictures were given of the money-making potentialities of this method of production. In recent times a more level-headed view of the system has been put forward by practical men, giving a less rosy estimate of the financial side. At a recent meeting of the Bournemouth Gardeners' Association a lecture was given by Mr. E. Harris, raising the important question: "Will the French intensive culture system become popular in England?" The lecturer adopted a negative attitude. He pointed out the different conditions which obtained in France, where there was a greater demand for early salads.

The French growers for generations had become accustomed to this system, the father being succeeded by the son in the work. Another important factor was that in France a plentiful supply of straw was available, whilst coal was not so abundant. In England they had plenty of coal, consequently the English grower was able to go in largely for raising grapes and the more expensive kinds of fruit with the aid of hot water pipes. In the course of the discussion, the general opinion expressed by the members was that the French system would never be extensively adopted in England for commercial purposes, but as supplementary to our usual method of forcing, principally in private gardens.

Chrysanthemum Matters.

The members of the Scottish Horticultural Association have been voting on the twelve best early chrysanthemums. The following were placed first: Goacher's Crimson, White Maid, Lillie, Polly, Nina Blick, Abercorn Beauty, Lesley, Elstob Yellow, Hector, Carrie, Diana, and Horace Martin. At a recent show of the Royal Horticultural Society in London the under-mentioned new chrysanthemums received awards of merit. W. Wells and Co., Ltd., showed Mrs. Andrew Walker and Golden King. The former is a large bloom of a reddish mahogany tint. Golden King is an attractive Japanese incurved bloom, of a rich yellow, similar to W. H. Lincoln Improved. Messrs. Wells and James Veitch and Sons, both showed Golden Cap, a good yellow sport from the well-known Caprice du Printemps. Snowflake is a pure white single from the market nurseries of P. Ladis, of Swanley, Kent. Another single seen was Percy Arnold, of a pinkish color, exhibited by W. G. Rigden, of Englefield Green, Egham, Surrey.

W. H. Adsett,

Obituary

F. A. Miller.

F. A. Miller, seedsman, of Fruitvale, Cal., died suddenly on November 18. He had been engaged in the tree and shrub seed business for forty years or more, his business covering the United States and foreign countries.

Wellington Hughes.

Wellington Hughes, proprietor of the Hillsdale City Greenhouses, Hillsdale Mich., died on November 18, aged 79 years. He was born in Utica, N. Y., and settled in Hillsdale in 1848, following the vocation of florist for forty years. He is survived by a widow and two children.

Robert Snodgrass Tabb.

On November 26 Robert Snodgrass Tabb, for many years bookkeeper for Nanz & Neuner, florists, died at his home, 1112 South Floyd street, Louisville, Ky. He was born in Berkeley county, West Virginia, but resided in Louisville for forty years, being in the employ of Nanz & Neuner during that time.

Robert Bottomley, Jr.

Robert Bottomley, Jr., died on Nov. 23, at Saranac Lake, N. Y., where he went for his health on June 1st, aged 31 years. Up to the time he left for Saranac Lake he was head gardener for Mr. Chas. E. Diefenthaler, New Canaan, Conn., a position which he had filled for four years. His father, Robert Bottomley, who is superintendent of Brush Ridge Farm, New Canaan, Conn., was with him for a few days before his death and brought his body to New York, where he was buried in Woodlawn Cemetery. Robert Bottomley, Sr., will be remembered by many who participated in the Asheville Convention of the S. A. F. with grateful appreciation of the courtesies extended by him, assisted by his son, at Biltmore, N. C., where he was superintendent at that time, and the sympathy of all will go out to him now in his hour of bereavement.

Barnabas Eldredge.

Barnabas Eldredge of Belvidere, Ill., was better known as the president of the National Sewing Machine Co. than as a florist, but here in Chicago he was known also as a successful florist, who in his weekly visits here, made many friends.

On the afternoon of November 28th, Mr. Eldredge was found in his room at the Great Northern Hotel in a dying condition, and passed away of heart failure, to which he was subject, and to which he had nearly succumbed ten days before. Barnabas Eldredge was born June 19, 1843, in Munson, O., where his boyhood was spent upon a farm and where he learned to love nature so much that his success in a great factory was followed by a venture in the greenhouse business later in life. Many of the trade sent floral offerings from Chicago, and the funeral from the late home was very largely attended. Mr. Eldredge is survived by his wife, and his remains were placed in a mausoleum beside those of his only son, Franklin P., who died one year ago.

DESTROYING INSECTS UNDER GLASS

BY W. F. MASSEY.

Those of us who have worked under glass a good part of our lives know the bother and worry of tobacco fumigation for the aphides and the stale odor of everything in the house resulting therefrom. Then, after all, it is but a temporary check and we have to go through the same thing another week. I suppose that we will always continue to use tobacco in some form for the aphides, but there are so many other pests in the greenhouses that are not affected by the tobacco smoke that it is important to have something to destroy these as well as the aphides.

By careful syringing we can keep reasonably free from red spider on many things, but there are crops under glass, like tomatoes, which do not like overhead spraying, and if the underfoot moisture is not well maintained, these may get infested with the mites.

Then it is well known to florists that there are many ferns that object to water on their fronds and which also are damaged by tobacco smoke, and it has been a matter of discussion whether, in fumigating with tobacco, we should syringe first or after fumigating. I have heard gardeners insist that plants would be damaged if not syringed before fumigating. The fact is that it makes little difference whether they are wet or dry, for some plants will not be damaged by smoke under either conditions, while other plants will suffer somewhat, whether sprayed or not.

Then there are insects that infest the frames and tobacco fumigation is a different matter in a frame, and while tobacco fumes are a specific against aphides, the red spider does not mind them and the white fly is unharmed, and the sow bugs that infest the orchids are not hurt. What is needed is a deadly fumigation that penetrates every place and is destructive to every form of animal life in the house while not injurious to the plants. No fumigating material has been discovered which meets these requirements as well as the cyanogen or hydro-cyanic acid gas, formed by the combination of sulphuric acid with cyanide of potassium. When sulphuric acid is added to cyanide of potassium, or rather when the cyanide is placed in the sulphuric acid, there is a complete decomposition and the cyanogen is set free, while the sulphuric acid unites with the potash and falls in a powder, forming the sulphate of potash which every cultivator knows is valuable as a fertilizer in the soil.

Some have claimed advantages for sodium cyanide for use with sulphuric acid for fumigating purposes. But I can see no advantage in its use, but many disadvantages. The cyanogen liberated from a given quantity of potassium cyanide can be produced at a lower cost than a similar amount from sodium cyanide.

It is true that it is claimed that it

takes 132 kilograms of potassium cyanide to generate the same volume of gas as is contained in 100 kilograms of sodium cyanide. I say "contained" in it, because the difficulty comes in making a complete decomposition in the acid. Sodium sulphate rapidly forms on the mass and hardens and encloses a portion of the sodium cyanide so that the sulphuric acid will not act upon it.

When potassium cyanide is added to sulphuric acid, the sulphate of potassium that is formed falls in a powder and the decomposition of the cyanide is complete, the cyanogen escapes into the air to accomplish its deadly work, and all that is left is of value to the cultivator, while if the sodium cyanide is used, the resulting sodium sulphate is absolutely useless to vegetation. In the one case the operator saves a valuable by-product and in the other he gets less gas and a by-product worthless for farm or garden purposes.

To the vegetable grower under glass it seems to me that this cyanogen fumigation is especially valuable. It is hard to rid a crop of lettuce even of aphides with tobacco smoke without spoiling the quality of the lettuce, and when once the green caterpillars infest the lettuce, there is no way in which they can be at once effectually destroyed better than by a good fumigation. The fumigation of a frame is even easier than that of a greenhouse, since the operator is already outside and only has to raise a sash, drop the cyanide and close the sash, while any one who has tried to fill a cold frame with tobacco smoke knows how hard it is to do it.

Some plants with rough or hairy leaves are sometimes injured by the fumigation. I have seen a statement in a bulletin from one of the Experiment Stations that this gas will not destroy mature insects, nor scale. If this was true, there would be little use in the fumigation of dormant nursery stock. The fact is that dormant trees and leafless plants can stand a longer fumigation than plants in a growing state. Fumigation in tight quarters is certainly the most penetrating remedy and misses less than spraying.

For fumigation of nursery stock the house where the work is done should be made as nearly gas-tight as possible. For each 100 cubic feet of space there will be needed one ounce of potassium cyanide, one and a quarter fluid ounces of sulphuric acid and three ounces of water. Place the water and sulphuric acid in a deep stone crock, or wide-mouth open jar. Break the potassium cyanide into pieces the size of a marble and pour them into the crock and shut the door as quickly as possible. If the fumes are left on the trees an hour, every insect and even the San Jose scale will be destroyed.

The fumigation of hot houses needs more care. For each 100 cubic feet of space in the house use half an ounce of potassium cyanide, six-tenths of an ounce of sulphuric acid and one and a half fluid ounces of water. Select a moderately mild night and use the acid and cyanide soon after sundown and

open the house and air it out by nine or ten o'clock.

The following is recommended for the white fly and lettuce aphids: For each 1000 feet cubic space use one-fourth ounce of the potassium cyanide, three-tenths of an ounce of sulphuric acid and three-quarters of an ounce of water. Make the gas soon after sunset and leave the house closed all night. In airing out the house after fumigation, open all doors from the outside and let the air pass through for some time, before entering to open the ventilators.

In large greenhouses it is best to have a row of jars with operators to run each way and drop cyanide as they pass the jars toward the doors, placing a jar for each 1000 cubic feet of space in the house. Where houses are built on the ridge and furrow plan and open to each other, about the only way will be to have a jar in each section, about midway, and a man to drop the cyanide and hasten to the door in each house.

By having the cyanide in little cheesecloth bags attached to a cord running through a staple overhead, a man can stand some distance away and drop the cyanide and get out and close the door in a long house.

PINES.

About 48 per cent. of the total lumber output of the United States in 1908 was pine, showing how important to the lumber industry of the country the 37 species of pine grown in the United States area.

No one species grows in all the states, yet, with perhaps one exception, no State is without one or more. Some occupy large regions in considerable abundance, while others are so scarce that few persons ever see and recognize them. Yet no species of pine is so scarce that it is not made in some way to serve man's need.

Four important timber trees of the southeastern United States are usually grouped as one in the lumber markets and are sold under the common name of yellow pine. They are the long-leaf pine, short-leaf pine, loblolly pine, and Cuban pine. While in appearance the woods of these four trees are so nearly alike that it is sometimes difficult to distinguish one from the other, still in some particulars, there is considerable difference.

Although the long leaf pine, white pine, western yellow pine, western white pine, and the loblolly produce most of the pine lumber manufactured in the United States, the U. S. Department of Agriculture in Forest Service Bulletin No. 99, considers each species separately, giving in detail, its physical properties, the supply, its early uses, manufacture and products; and in the case of the more important species, specifies the more important uses to which it is put. The places which some species occupy are very humble, and they can never rise much in the scale of usefulness, yet each one is entitled to its own individuality.

FOUR MORE CHRYSANTHEMUM NOVELTIES.



RAMAPO

This is an American variety, a seedling of Col. Appleton, and is of the same color. The foliage much resembles the parent in the way it comes right up to the flower and the stem is perfectly stiff. Colonel Appleton is about done. So many of the flowers come misshapen now that many of the commercial growers are throwing it out. Ramapo should fill its shoes worthily.



ANN E. ANGUS

A pure white of enormous size that will be a valuable variety for collections of 24 or 36 in the short vase classes. The stem is a little weak and that is the only criticism one can make on this sort.



MRS. ROBT. D. FOOTE

A claret crimson, very effective in color and having perfect stem and foliage. Every petal naturally reflexes, which gives the flower a bold, striking appearance. This variety should make its own way without any pushing.



SUNSHINE

A deep golden yellow, flower very large and spreading, though not very deep. The color is almost the same as R. F. Felton, but flower is much larger. Sunshine should brighten up many a greenhouse next fall in early November.

All of the foregoing are being introduced by C. H. Totty.

MODERN TOMATO CULTURE

While on the subject of pests, another matter which needs the greatest attention is the growing of tomatoes, and the sale of those which are simply masses of blight, and if the sanitary authorities took one-quarter of the trouble to control the sale of diseased and blighted tomatoes that they do to see that ice creams are pure, a great deal of illness would be saved. Quite ninety per cent. of the tomatoes sold in Boston and other markets, would in England be condemned by the market inspectors, as unfit for human food. Starting from where they have come off the stem, they are mostly cracked, and each crack is full of the fungus from the diseases known as black stripe and black spot, while the whole fruit is often covered with yellow patches, which under the skin extends almost like a blister, and is known as spodium, another poisonous disease. Besides this one finds tomatoes exposed for sale which are soft and flabby to the hand—this is known as sleep disease, and the fruit should be destroyed, not eaten. The whole method of growing tomatoes in America is incorrect and should be undertaken in a scientific manner which would be vastly more profitable to the grower than it is at present. In the first place, no tomato-house should be more than eight feet high at the eaves, and from fifteen to seventeen feet at the ridge. The sides and ends should be glass. The ventilators should be at the side as well as the roof, the roof ventilators being alternately right and left throughout the length of the house. If it is found impossible to renew the soil in the house each year, the soil should be thoroughly watered with a strong solution of caustic soda and water, and the inside structure of the house should be thoroughly syringed with the same solution, and thoroughly scrubbed with soft soap and hot water. The house should then be left for a fortnight until it is time to prick in the seedling plants, but before doing this it is imperative that the soil in the house should be thoroughly well watered with hose pipe, so as to wash down deep into the soil the caustic soda with which it had been watered a fortnight previously. As regards the management of the seed; no advantage is gained, in fact it is very dangerous to grow from one's own seed, or to grow two years running the same variety.

The variety selected should be one that produces fruit which weighs from five to six tomatoes to the pound. The seed should be planted in seed pans or trays, the soil having been previously sterilized at a heat of about 250 degrees, which will kill all living parasites and destroy any eggs that might hatch out. This gives the seed a chance from the first, each seed should be planted by hand, an inch apart, and not sown broadcast, like mustard and cress. This method enables the gardener, when the time of transplanting comes, to lift each plant without disturbing the root. If the grower has not absolutely new thumb pots to

plant in, fresh from the kiln, he should string his thumb pots on wire, in lots of one hundred and put them for ten minutes into boiling caustic water, the crocks for the bottoms being similarly treated. If this is not done, no good results can be obtained. Only sterilized soil should be used in transplanting from seed boxes to thumb pots and if some wood charcoal, say 25 per cent. can be mixed with the soil, it will enormously repay the grower. Seedlings treated in this way are absolutely free from club root, eelworm and thrip.

When the seedlings are from four to five inches high they should be taken to a house which has been prepared as above and planted in double rows, each plant being fifteen inches apart in the rows, and the second row should be twelve inches from the first, the plants in the two rows being alternate. The interval between the double row and the next should be from one yard to one and one-fourth yards. This will give the plants plenty of air, and will leave sufficient space for the grower to move about freely without damaging the plants when gathering. If it is desirable to use bamboo stakes to which to train the plants, they should be put in the same day as the seedlings; if, however, it is decided to use string, this can be done as the plant requires support. There is only one method of growing tomatoes successfully, and that is on a single lead or stem. They should be side-shooted from the very beginning and no side shoot should be left on the ground, when it has been taken off. The gardeners should wear aprons with pockets, into which to put them, or else carry baskets, but to leave them on the ground is fatal as it sets up blight and disease. Top air should be given on every available occasion, and no watering should ever be done after nine o'clock in the morning. Should the plants flag from excessive heat the roof and sides should be sprayed on the outside with thin lime wash, and all possible doors and ventilators should be opened. Unless the weather is extremely cold, top air should be given in moderation at night. As soon as any plant reaches six feet in height it should be stopped by nipping out the centre top. In tying up tomato plants care should be taken to have the raffia tight around the support, so that it cannot slip, and then a loop round the stem with plenty of play, so as to allow room for the stem to swell. If the bottom trusses are too thickly fruited, it is advisable to thin the fruit to six on a truss.

All trusses should be held up with raffia, or their own weight may make them snap off at the shoulder. They should never be tied to the growing stem, but to the support. The best method of feeding tomato plants is as follows: Boil in a copper, or cooker, cow dung with a mixture of soot and a small quantity of permanganate of potash, say one pound to 100 gallons of cow dung; dilute this mixture with water as you use it, in the proportion of one gallon of mixture to ten of water, and water the plants, only at

the root, twice a week. In watering plants in a greenhouse, never water the foliage under any conditions. If any signs of blight, such as yellow spodium, black stripe or rotting stems, is noticed, or a plant sickening from some unaccountable cause, which is sleepy disease, the only thing to do is to carefully remove the plant as soon as it is noticed and to burn it, as the chances against its recovery are very small, and these diseases spread from plant to plant very rapidly; the place from which the plant has been taken should have the soil dug out and taken right away to the sterilizer and fresh soil and a fresh plant should be brought into the house to take the place of the plant which has been removed. After the six bottom trusses on each plant have been gathered, one side shoot on each plant should be allowed to grow and not be removed, and by the time it has reached four feet all the trusses on the main lead should have ripened and been taken off. The old stem should then be cut down to the point from which the new lead starts and the new stem tied into place. When the new lead has from four to five trusses set it is time to take out the top, which will make it throw out larger fruit. It is an unwise plan to defoliate in the first and second leads until the fruit is set; then the foliage should be reduced one-half, and as the fruit ripens the leaves should be reduced to two leaves on each leaf shoot. If during the growing the roots of the plants show above the ground, fresh soil should be brought into the house to cover them and they should be banked up. No fallen fruit should ever be allowed to remain on the ground, but should be taken away and burned, and no weeds should ever be allowed in a tomato house. If only growers would take the precautions mentioned above, we should see none of the diseased fruit that we see at the present time. As regards the cost of this method, it has been proved over and over again that this is the only way to make tomatoes pay. Take, for instance, a house which will hold 4000 plants, planted as above. This house will require two men and four boys (say) to look after it, and they could produce from each plant ten trusses, each weighing from one to two pounds. Their duties would be, first, each morning to water, then to gather all ripe fruit and take them to the grading-house, where they will be sorted by women, or boys under supervision; their next duty would be to thoroughly go through every row and carefully side-shoot each plant. This work should all be completed by mid-day, and then these men and boys would be available for other work about the nursery. By this method of intense cultivation each plant should produce twenty pounds of really good, sound fruit, so that a house with 4000 plants should produce 80,000 pounds (or forty tons) of tomatoes. This should be a very paying industry and well worth the attention of market-growers. G. A. Jackson Burton, in *Boston Transcript*.

U. S. DEPARTMENT OF AGRICULTURE.

SYNOPSIS OF THE SECRETARY'S REPORT.

The Fifteenth Annual Report of the Secretary of Agriculture, made public this week, begins with a series of short paragraphs of much national importance. A few of them are reprinted below:

Brief Comments.

Would it be asking too much of our universities to have them educate more plant pathologists and road engineers?

Every country in the world that has diseased plants that can not be sold at home can ship them to us. This results in great loss. The chestnut disease here is an illustration.

After years of experimentation we find we can grow Egyptian cotton in Southern California and bulbs in the State of Washington.

The finest dates from the Sahara Desert succeed in our Southwest.

No seed is sent out from this department without being tested for germination condition.

The schools want more of our publications than we have to give them.

The day is not far distant when we will cease to import potash.

A serious pest in the South is the crayfish; carbon bisulphid is a sure remedy.

We are sending explorers to the ends of the earth for new plants—and getting them.

The phosphates are abundant in our country for all possible uses. Florida, Kentucky, Tennessee, and Idaho may be mentioned as depositories.

If good roads from the producer to the consumer were general, the benefits to both would be considerable.

When a foreign insect invades, our scientists seek its enemy where it came from. The natural enemy of the boll weevil was an ant that could not endure our winters, but the native ant is getting busy.

The experiment stations of the several states are doing better work each succeeding year, the scientists are maturing, and the people are appreciating.

Our systems of renting land are faulty and result in soil robbing; where the renter can not provide domestic animals, the owner should arrange to furnish them, so that rotation of crops may be had, and hay and grains may be fed on the farm.

Irrigation will bring maximum crops while the land is new and full of plant food; but where the crops are sold year by year irrigation will not of itself assure good results.

Alaska will some day provide farmers in lower latitudes with grain seeds superior to what they can grow at home.

The corn crop is moving northward by seed selection.

Save all the liquid fertilizers on the farm, in cisterns, to be applied where crops are to grow; this will recover the greatest farm waste of our times.

There is great promise in the fact that whole classes of graduates of agricultural colleges go back to the farms, having learned how to make them profitable.

Our foresters are learning by experiments how to reforest 30,000 acres in a year: 10 times as much must be planted annually to cover all the bare acres in a generation. It will be done.

The potato crop of 282,000,000 bushels is about 90 per cent of the average production, but the farm price has increased to such an extent that the total value of the crop is the highest of record and amounts to \$213,000,000.

Forest Pathology.

On account of their important relation to reforestation, damping off and other diseases of forest-tree seedlings have received special attention. The results of the past season's work have confirmed the previous reports of absolute success in controlling the serious "blight" of coniferous seedlings by slight and perfectly practicable changes in the management of water supply and shade. For two seasons past the use of sulphuric acid in preventing the damping-off of coniferous seedlings in the Forest Service nursery at Halsey, Nebr., has been successful. If these results are confirmed by work in other localities and other years, damping-off so far as coniferous seedlings are concerned, will cease to be an uncontrollable factor in reforestation. The use of sulphuric acid as a soil fungicide originated in this department, as reported in previous publications.

It is unfortunate that at this time, when interest in reforestation is at its height, we should knowingly import a destructive European nursery disease. Yet this appears to be the case. The white-pine blister rust, referred to in previous reports, is unquestionably still being imported. All importations that could be located have been inspected and all visibly diseased trees destroyed, but there are no means of locating all importations. The importation of white-pine seedlings should be flatly prohibited, as the damage which this disease can do, and probably will do, if once established in America, is out of all proportion to the value of all white-pine seedlings ever imported or ever likely to be.

Diseases of Fruits.

Apple spraying experiments and demonstrations were conducted in several widely separated districts, and it was again shown that lime-sulphur properly diluted is a more satisfactory fungicide for certain apple diseases than Bordeaux mixture. However, owing to the severe weather conditions of the season, the combination of lime-sulphur and arsenate of lead caused considerable burning of the fruit in a few orchards, but this trouble was not so serious as to discourage the use of this spray.

The grape anthracnose is very destructive to both fruit and vine. Certain varieties in some localities are attacked every year by this disease. The department has demonstrated the past season that this malady can be satisfactorily controlled by proper spraying of the vines while in a dormant condition. Further confirmation of previous results in the control of black-rot of the grape has also been

obtained. Very promising results have been secured in controlling the anthracnose of the cranberry, which has been found to be a prevalent cause of loss in some cranberry districts. Considerable progress has also been made in the study and control of other small-fruit diseases.

Seed-Testing Laboratories.

On account of the provision for seed testing made by State laws in North Carolina and Nebraska, co-operation with these states has been discontinued, and two new laboratories are being opened in connection with the agricultural experiment stations in California and Louisiana, the laboratories in Missouri, Oregon and Indiana being continued.

Hairy-vetch seed, which has this year for the first time been collected for examination for adulterants, was frequently found to contain seed of cultivated varieties of spring vetch, the latter generally being useless for fall sowing on account of winterkilling. An examination of the hairy-vetch seed-growing section of northern Germany and northwestern Russia shows that on account of the difference in time of ripening it is impossible to harvest seed of cultivated forms of spring vetch and hairy vetch together, the former being used as an adulterant. The *Vicia villosa* seed originating in the Baltic Provinces occurs as a volunteer in winter rye and is separated as cleanings from the rye.

Congressional Seed Distribution.

Seeds and plants were distributed upon congressional order as in former years. Between six and seven hundred tons of vegetables and flower seeds, put up in approximately 60,000,000 packets, were distributed the past season. Of this quantity about 10 per cent was flower seed and 90 per cent vegetable seed. Approximately one-third of the total quantity was procured from surplus stocks, and the remainder was grown under contract for the department during the current season. In every case seed was secured on competitive bids, and no seed was accepted for distribution unless it was found after repeated tests to be of satisfactory purity and vitality. Every lot of seed is tested for germination two or more times before and after shipment, and a sample of each lot is grown on the trial grounds of the department under the direct supervision of expert horticulturists to determine its truthness to type. Many thousand pounds of vegetable and flower seeds which do not meet the requirements of the department are rejected every year and returned to the seedsmen by whom they were shipped. Where seeds are contracted to be grown for the department the fields are inspected at the proper season by specialists, who see that the plants are uniformly true to type and that a proper system of roguing out variations and mixtures is followed. This system has resulted in steady improvement in the quality of seeds distributed by the department, as shown by the results obtained on the trial grounds and by hundreds of

reports from all sections of the country.

The work of packeting, assembling and mailing the vegetable and flower seeds was done under contract at a cost of \$1.10½ per thousand packets, which included delivery of the packeted seed in mail sacks direct to the Union Station. A new contract has been entered into for putting up and mailing the seeds for the coming distribution at a saving over the former contract of 1 cent per thousand packets.

Home Grown Dutch Bulbs.

The propagation of Dutch bulbs in the Puget Sound region in connection with the congressional distribution is progressing favorably. Trial sets of narcissus and tulip bulbs propagated near Bellingham, Wash., were planted at Washington, D. C., with sets of bulbs of the same varieties imported from Holland, and the Bellingham bulbs produced better blossoms 10 days earlier than the imported bulbs. The early blooming period of American-grown bulbs is of importance to all professional florists, because of the saving in time and fuel where bulbs are forced for market.

Need for Trained Plant Pathologists.

The growing need for trained plant pathologists to take up numerous problems which are now being presented to this department for solution is extremely urgent. While the universities and colleges appear to be doing what they can, it happens usually in our work that men fresh from college do not have the requisite outlook or the necessary training to obtain practical results in this field. Usually we have to give them several years of additional training in order to make them most serviceable to the advancement of agriculture in these lines. Every year requests come to us from the experiment stations and similar institutions in the United States to name persons well qualified for appointment to positions involving plant pathological research in these various institutions, and, unfortunately, in a very considerable number of cases we have to say that, glad as we would be to recommend persons, there are none in sight with the necessary training. This lack of a sufficient number of trained pathologists works to the serious disadvantage of agriculture in this country. The department would be glad to have in training an additional number of young men for such positions.

Work on the Gipsy Moth and the Brown-Tail Moth.

The general conditions in that portion of the country originally invaded by the gipsy moth, that is to say, eastern Massachusetts, have been better during the past year than for many previous years. This has been due in part to weather conditions, to the prevalence of the wilt disease, to the gradual increase of parasites imported from abroad, and to the cumulative effect of the excellent work done along roadsides by the Bureau of Entomology, in certain forests by the State of Massachusetts, and in the different towns under municipal and state control. The conditions in New Hampshire, however, are much worse than in Massachusetts. Many towns in the

southeastern part of the state are seriously infested, and the insect occurs in 125 towns in all. In several of the northern towns the pest has apparently been exterminated. In Maine there has been a further spread, and a new colony has been found in Rhode Island. The brown-tail moth has established itself in the northeastern part of Connecticut.

The increase and spread of the imported parasites and natural enemies of both the gipsy moth and the brown-tail moth has been gratifying, and several species have been brought in during the past year in large numbers which the Bureau of Entomology had not previously been able to secure. During the summer an imported Japanese egg parasite, which had previously been thought to have died out, was recovered in considerable numbers. An appreciable effect upon the numbers of the gipsy moth as the result of parasitic work is beginning to be noticed.

New studies have been begun of the feeding habits of the newly hatched caterpillars of the gipsy moth, and already it seems that it will probably be possible to control the gipsy moth in forested areas by a certain variation in forest management dependent upon the feeding habits of the young caterpillars. This means that the forests of New England, and later other portions of the country, are not doomed, and that a good stand of timber can be maintained even should the pest increase beyond the ultimate control of the parasites, and this in itself is most unlikely.

A SOIL TESTING OUTFIT PRO- NOUNCED WORTHLESS.

Editor HORTICULTURE:

The Foote Farm Laboratories of Fredericktown, Ohio, are putting out what they call the "Foote Soil Testing Outfit." They are widely advertising this outfit and offering it to individual farmers for \$10. They also include in the outfit a copy of my book, "The Story of the Soil," supposedly as an added inducement to the purchaser. I wish to say that I knew nothing of the Foote Farm Laboratories until we began to receive inquiries from their advertisement. We at once ordered an outfit, including all instructions, and have thoroughly investigated the outfit and the methods by which the Foote Farm Laboratories claim any farmer can analyze his soil,—the following quotation being a sample of their advertising:

"The Foote Soil Testing Outfit is a complete, practical farm equipment with which you can readily tell what plant food each one of your fields needs and what they already have. It tells you just what food elements are in your soil and what is lacking."

A thorough investigation of this outfit clearly reveals the fact that it is absolutely worthless. The so-called directions for testing soil not only give no valuable information, but they are absurd and senseless. The farmer who pays \$10 for the outfit and attempts to use it will have thrown away both his time and money. I make this statement because my name is being used in a way to mislead.

CYRIL G. HOPKINS.

Dept. of Agronomy and Chemistry,
University of Illinois.

M. A. C. DEMONSTRATION OR- CHARDS.

The returns for 1911 from the Demonstration Orchards established by the Massachusetts Agricultural College are beginning to come in to Alvah J. Norman, who has the supervision of these Demonstration Orchards. He reports that he is very much pleased with the results of the work for such a dry season. The returns are very interesting in that they show the possibilities in the way of net returns from land planted to orchards in Massachusetts.

The prevailing idea is that the man who plants an orchard is throwing away the use of his land for ten or fifteen years, before the trees come into bearing. How very incorrect this idea is has been well shown from the returns made by C. W. Maynard, of Enfield, Massachusetts, who was the first to make returns for 1911.

The College planted an orchard of about 450 trees on Mr. Maynard's place in May. The cost of preparing the land, planting the trees and caring for the orchard was, of course, borne by Mr. Maynard. The trees used were, in most cases, one-year old, of the varieties Baldwin, McIntosh, Wealthy, Williams Early and Oldenburg. The entire expense to which Mr. Maynard was placed, for preparing the land, about four and one-half acres, planting the trees, caring for the trees, planting associated crops and caring for the same, including cost of seed, fertilizer and harvesting, all labor items being charged at prevailing prices, totaled \$118.35. The returns from the associated crops were as follows: Red kidney beans, \$112; sweet corn, \$56.82; turnips, \$12, and the berries from a small patch of raspberries, which were already in one corner of the orchard, sold for \$26.01; giving a total income of \$206.83, which leaves a net profit of \$88.48 or approximately \$20 per acre, which is not a very small net return per acre for New England soil when the whole of the land is devoted to one crop.

The year has been a very hard one on the orchard and associated crops. The orchard was planted a little late, delaying the planting of the associated crops, which caused them to be slightly injured by the early frost. The orchard is planted on rather light land which, together with late planting and extreme drouth, did not lead those in charge to expect much growth the first year. Mr. Norman stated when the trees were planted that he would be satisfied if half of the trees would live in case of a dry season. The dry season certainly came but only 10 per cent of the trees failed to come through the season, while some of the trees sent out several strong branches, some of which measured 40 inches. The average length of the new branches is nearly 25 inches. The average diameter of the trees is about five-eighths of an inch.

Next spring new trees will be planted in place of the dead ones and those which seem stunted. In another year the trees will be large enough to make the orchard a very pretty sight. It is expected that apples will be picked from the trees the fourth season. Mr. Maynard will be glad to show the orchard to any who wish to see what orchards can be made to do in that section.

DEVELOPING AND IMPROVING THE DAHLIA

The following interesting letter from Alex MacLellan has been held back in our office until Mr. Betscher should have opportunity to further explain his views on the dahlia question as given in a previous issue of *HORTICULTURE*. Mr. Betscher's latest communication is now appended. As both the gentlemen are influenced, as we believe, solely by a desire to promote the common good we are pleased to give space to their letters in full and our columns are open to any one who may have pertinent views on the question to which they would like to give publicity.

Editor *HORTICULTURE*:

Dear Sir—It was with considerable interest that I read your editorial on page 658, issue of Nov. 11, on the Dahlia, also the communication of your correspondent, C. Betscher, on page 663, and it is to the latter's insinuations that dealers are dishonest that I wish to take exception, for as a rule, it will be found that dealers are honest, if for no other reason that it does not pay to be otherwise. And as an honest man, why does not your correspondent give the name of the good-for-nothing dahlia of which he has 1,250 plants, so that the trade may be warned.

The dahlia is as we all know, true to its name "Variable," and a variety which may do nothing one season may be excellent the next and vice versa. There are varieties, however, that can almost be depended on to give good results every season.

And in breeding and selecting from this most variable yet beautiful and useful family of plants, let us keep the words of your editorial before us and "Develop it in the qualities of more compact and less rampant growth, (i. e. for garden ornamentation) earlier and more abundant blooming and more upright flowers on taller and stiffer stalks."

Societies are not dead to these issues but are doing a good work; and the growers can be depended upon to grow only varieties that are constant and thus profitable.

These are the views of

Yours truly,

ALEXANDER MACLELLAN.

Newport, R. I.

Editor *HORTICULTURE*:

Regarding Mr. MacLellan's dahlia symphony, I maintain that when we send out sorts that do not bloom reasonably early and truly over a wide area we disappoint and discourage the buyer. He drops dahlias and we are all losers in consequence. When one buys ten "newest and best" dahlias at 50 cents per, richly described, beautifully illustrated, grows them two seasons without getting a crop and then inquiring of five growers at widely distant points, finds each has had a common experience, have we not a good and sufficient reason to "insin-

uate?" We think so. We should thoroughly test every new sort (the old as well) in different localities and if it is a failure or near failure in each place it should be dropped, or where a sort is purely a local sort it should be so noted. I find the sorts that do well in Ohio, are a success with all of my correspondents; again, those that are without value here are the same at other places with very few exceptions.

Let us take Arabella, Sylvia, Countess of Lonsdale, as the basis of the highest type, how many dahlias can compare with them? If we had a plant like Orange King, freedom of Sylvia, earliness of Arabella, richness of Rene Cayeaux, size of Douzon or Lonsdale, stems and tuber of Queen Victoria, all in one, we would have a grand ideal. Calmly surveying my work for the past four years, I am forced to the conclusion that our dahlia breeders are not breeding right nor are they bringing together right unions. I say this because I have been able to breed gladioli quite to the quest sought.

I can see a great future in store for better early free-blooming dahlias. Anyway, let us all follow up higher ideals until we achieve them, but let the spirit of "why" enter into every avenue, lane and path of our common interests—grower, dealer and planter alike. Let it be broad building. If the growers do not put the dahlia far in the forefront and compel people to want them for their merit alone, our clientele cannot; they are at our mercy. Unfortunately, dealers and jobbers demand stock at prices so low that quality is bound to suffer.

Each grower must measure from his own experience. The person growing for a small area can easily select a list for his limits, but let him grow for broad acres and diversity of interests and perforce his views must be different. Think it over, brother, and see if I am not right. The societies, too, in every field of horticulture, all ought to do more and better work.

C. BETSCHER.

Canal Dover, O.

THE EARLY BULB FORCER.

To the Editor of *HORTICULTURE*:

Dear Sir: Please allow me a few lines in your paper to give an explanation to a back-hand slap at the growers of early paper white narcissus which appeared in your last issue, as I was the first to enter such for sale this season. I have a house used for boarding plants in spring. It was emptied a little earlier than usual. That explains the indiscretion. I am, I hope, and my pocketbook seems to favor me, well as the average florist.

Respectfully yours,

WILLIAM PATTERSON.

Wollaston, Mass., Nov. 28, 1911.

Glad, indeed, are we that Mr. Patterson's early crop of paper whites showed a profit. It was because of the repeated instances which came to our knowledge of loss to the grower which led us to discourage, as far as we could, the haste shown by so many forcers to rush their crop before the market was in a receptive mood. As in Mr. Patterson's case local condi-

tions may warrant the risk taken but our opinion has not yet been altered as to the average unprofitable outcome of spring bulb flowers forced in chrysanthemum time. Should like to hear from others who have tried it. It is an important subject.

NEW BOOK BY WILHELM MILLER.

In "What England Can Teach Us About Gardening," Dr. Miller has placed the American horticulturists under no small obligation. Dr. Miller spent some considerable time among the English gardens studying and forming his conclusions, which he has now given to the world, as to why English gardens are the most beautiful in existence and what may be learned from them which is applicable to American conditions.

The author expresses his convictions without reserve "from the shoulder." He has much to say and he says it so forcefully that its lines fairly teem with suggestiveness and one might truly say that there is not a chapter or, indeed, scarcely a page in the book which does not offer food for thought and comment far exceeding the space at our disposal for the introduction to our readers of this volume of nearly 400 pages.

Among the truest sentiments expounded are that every country should, in garden making, use chiefly its own native trees, shrubs, and vines and other permanent material and let the style of gardening grow naturally out of necessity, the soil and the new conditions. He adds "When we stop imitating and do this, America will soon find herself." Dr. Miller is a garden lover if there ever was one. We may not wholly agree with some of his methods and deductions in making comparisons between the worst features of American gardens and the best features of the English, and we may find ourselves questioning whether some of the English examples illustrated are really worthy of the praise bestowed, but there can be no question of the author's sincerity or of the splendid inspiration that will be drawn from this practical monument to his enthusiasm and indomitable industry. To help toward making America one great garden as England is; to teach by contrasting the noblest ideals that England furnishes with less noble ideals which now prevail in America; to show how we waste millions of dollars on material we should never buy and on effects we can never imitate; to help lay the foundations of an American style of gardening, and to give the garden lover literature more practical and helpful than mere sentimentality and fine writing—these are among the avowed purposes of the author and we think his book measures up well to its text. Truly a great work by a great man.

There are 112 photographic plates and eight plates in color. "What England Can Teach Us About Gardening" is published by Doubleday, Page & Co., Garden City, N. Y. The price is \$4 net (postage 35 cents).

CLUBS AND SOCIETIES

NEW YORK FLORISTS' CLUB.

The next regular meeting of the New York Florists' Club will be held on Monday, Dec. 11, at 7:30 P. M. Election of officers for 1912 will be the important business of the meeting. The following are in nomination: For President, Jos. A. Manda, John B. Nugent, Jr., and I. S. Hendrickson.

Vice-President, John A. Rassbach and Philip Einsmann.

Secretary, John Young and W. G. Badgley.

Treasurer, Wm. C. Rickards, Jr., W. H. Siebrecht, Jr., and C. W. Scott.

For trustees, three to be elected to serve two years: Philip F. Kessler, Wm. Duckham, John Donaldson, Robt. G. Wilson, F. A. Bolles and Harry Turner.

Consideration of the following important communication will be in order. The subject is not only of great importance to the New York Florists' Club, but to every florists' club in the State.

ORGANIZATION OF NEW YORK'S FLORICULTURAL INTERESTS.

New York stands first among all the states of the Union on the basis of the importance of her floricultural investments. Notwithstanding this, she has failed for the past two years to interest the legislators at Albany sufficiently to secure an appropriation for the express purpose of promoting the floricultural industry.

The florists of Illinois, by united effort, have secured appropriations aggregating \$80,000, which have been employed or are to be used for buildings, equipment, and to assist investigations in behalf of commercial floriculture. These appropriations have been secured by concerted, well organized effort.

In New York the fruit interests are thoroughly organized and secure continuous aid from the state. The various farming industries are also recognized by legislative assistance, especially designed to promote their particular features. New York has a considerable number of live, hustling florists' clubs. These are in the main doing splendid work in maintaining local interest and spreading information regarding floricultural practice. There is, however, little or no co-operation between these clubs.

Has the time arrived for a federation of interests? May we not effect a state organization to take charge of questions of state-wide significance? Such a state organization would in no way supplant the function of local clubs or societies, but would be expected to act more effectively on all legislative questions and problems affecting the whole state. The opportunities for expanding floricultural interests are great.

Can the florists of the Empire State do more to bring before the public the desirability of expending greater effort in beautifying home grounds with flowers and plants?

Is there opportunity for co-operation with civic improvement organizations and the great school gardening movement?

Are the florists of New York State interested in promoting the next national flower show to be held in New York City in 1913?

Are the florists of the state interested in the establishment of a floricultural hall at the State Fair?

Are the florists of the Empire State ready and willing to throw their influence with a movement to secure an appropriation for the erection and equipment of a range of glass at the State College of Agriculture, to be devoted exclusively to the solving of problems in commercial floriculture?

These are some of the problems which might be effectively assisted by a state organization.

Is this a subject in which your club is interested, and if so, might it not be well to use it as a text for a discussion at one of your early meetings?

The Department of Horticulture of the New York State College of Agriculture stands ready to assist in every way in its power any movement of this kind. If

thought wise, a meeting, at which your club should be represented by delegate or delegates, can be called at the New York State College of Agriculture at any time agreed upon by a majority of the clubs of the state. This meeting could readily pass upon constitution and by laws and effect an organization, and the florists of the Empire State would then be able to present a united front on all questions affecting interests in common. These are suggestions. We shall be glad to correspond with clubs or individuals interested in a movement of this kind. May we not hear from you before very long?

Yours for the advancement of floriculture.

JOHN CRAIG,

Professor of Floriculture.

A. C. BEAL,

Assistant Professor of Floriculture.

New York State College of Agriculture, Ithaca, N. Y.

Prof. Craig will be present on this occasion and will address the meeting.

FLORISTS' CLUB OF PHILADELPHIA.

December 5th was historical night. David Rust read a historical narrative of the foundation and subsequent career of this club (the first of its kind in America) and his story was listened to with engrossed interest by young and old alike. The essayist treated his subject with fine judgment as to the essential points, and received an ovation at the conclusion. We hope to have a synopsis of this able essay in time for our next issue. Robert Craig followed with a witty and reminiscent speech in his own inimitable style which delighted the large audience immensely. He wound up by giving an earnest and serious word to the younger members to support our new president, J. Otto Thilow in his progressive policies for the onward march of the club so that the future may have equally glorious records of achievements and prove equally full of "ginger" to the record of what they had just been listening to of the past 27 years. John Westcott made a feeling address on the same lines. Adolph Farenwald was the humorist of the occasion with his amusing "kicks," and kept the house laughing uproariously—mixed with some words of wisdom. Senator Heacock and Robert Kift also made witty and interesting remarks.

Apink chrysanthemum was exhibited by Augustus Diedrich, Wissinoming—a very late-flowering and meritorious sort. He wanted a name but no one ventured. A good report was had from the various new committees and they all seem to be now well established and in working order. We look for efficient work from them from now on. Among visitors from a distance present were H. L. Holmes, Harrisburg, and Antoine Leuthy, Boston.

MARYLAND STATE HORTICULTURAL SOCIETY.

The big Maryland Week Exposition at the Fifth Regiment Armory, under the auspices of this Society, is on this week. Tuesday was the opening night and under the efficient management of Prof. T. B. Symonds, everything was in good order for the inspection of the public. Business sessions of the various agricultural and horticultural bodies are scheduled for every day of the week until Friday night, when the event closes with a visit of southern governors and a banquet for 350 guests at the Hotel Belvedere.

ILLINOIS STATE HORTICULTURAL SOCIETY.

The 56th annual convention of the Illinois State Horticultural Society will be held in Champaign-Urbana, Illinois, December 11 to 16. There will be three sessions daily. The first two days the general plan for the morning and afternoon sessions is a lecture or talk, followed by questions on the topic. The evening programs will consist of lectures illustrated by the stereopticon. The last three days of the convention will include the business sessions of the society, as well as many addresses and papers by men prominent in horticulture in this and other States. Throughout the entire convention, the various topics will be handled by men who are recognized as experts in their respective lines.

Anyone interested in horticulture in any way is invited to attend the convention, and participate in the discussions. There are no fees, dues, or other charges imposed upon those attending.

For further information address W. B. Lloyd, Secretary, Kinmundy, Illinois.

Fruit or vegetables for exhibition may be sent care of George Winter, Superintendent Fruit Exhibit, Agricultural Building, Urbana, Illinois. Express charges must be prepaid.

Arrangements have been made for special lectures on the make and management of gasoline engines. These will be given in the Exhibition Hall, Farm Mechanics Building, at 4 o'clock P. M. Tuesday, Wednesday, Thursday and Friday. Every indication points to a large and varied display of spraying outfits and other orchard equipment.

WESTERN DAHLIA AND GLADIOLUS ASSOCIATION.

E. S. Thompson of Benton Harbor, Mich., has favored us with the following invitation and prospectus of the Bulb Show to be given this month in Chicago.

Growers of the Dahlia and Gladiolus in the middle west, especially in the states of Ohio, Indiana, Illinois, Iowa, Minnesota, Wisconsin and Michigan, and contiguous territory, do not want to miss the Bulb Show held under the auspices of the Western Dahlia and Gladiolus Association, in Chicago, December 15th and 16th, 1911.

Through the courtesy of the A. L. Randall Co. the association has been given, free of charge all the room needed for display of stock. So come everyone interested and see what kind of stocks are and can be raised in the west. Everybody invited. All members of the trade and the amateur florists would do well to take a few hours off and come to the show for general information as to varieties, etc. Those who grow but a few Dahlias or Gladiolus for their own trade are cordially invited to come. A few hours spent in getting acquainted with the newer varieties may be of value when you come to select from the seedsmen's catalogue what you may need.

Exhibits should be sent, all express charges prepaid, to the A. L. Randall

Co., 66 Randolph street, owner's care, if you intend to come personally and look after the unpacking and placing. Or they may be placed in care of the Secretary who will be on the ground the forenoon of the 14th to look after any that may be so ordered.

Proper tags will be placed on every exhibit, with the owner's number, description, etc. Come and bring the best you have, if you are growing, and attend the evening meeting at the Sherman House, if possible.

Program of meeting at the Sherman House, 7:30 P. M., Dec. 15:

The Dahlia and Its Future, W. K. Fletcher, Des Moines, Iowa. The Gladiolus and its Future, A. E. Kunderd, Goshen, Indiana. Hybridizing and Culture, H. W. Koerner, Milwaukee, Wisconsin. The Association and its Membership, E. T. Barnes, Spencer, Indiana. American Bulbs, E. S. Thompson, Benton Harbor, Michigan.

Short discussions will follow each paper, and all are invited to take part.

NORTH SHORE HORTICULTURAL SOCIETY.

At the regular meeting of the North Shore Horticultural Society, Manchester, Mass., on Dec. 1, the speaker was Wm. Sim, of Cliftondale—subject, "Sweet Peas." Mr. Sim read a paper on this topic, going into the origin and history of the development of sweet peas and especially the winter-flowering sweet peas, also touching on culture—in fact, covered the subject as only an expert grower can. The speaker also took the opportunity to speak a word promoting the coming National Sweet Pea Society Show at Boston next summer, an event in which such places as Bar Harbor, Lenox and Newport are becoming interested. A discussion followed which brought out some valuable cultural points. Among the visitors were A. A. Pembroke and Frank Dolansky of Lynn.

R. A. MITCHELL.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Reports of Examining Committee.

Chicago, Nov. 18—Exhibited by Peter Schilt, Evanston, Ill., Gracia Muller, Single Yellow, scored 88 points; Mrs. Kenneth Barnhart, Single Pink, scored 90 points.

Chicago, Nov. 25—Exhibited by Fred Pautke, Grosse Pointe Farms, Mich., Helen Newberry, White Pompon, scored 90 points.

Cincinnati, Nov. 25—Exhibited by Fred Pautke, Grosse Pointe Farms, Mich., Helen Newberry, White Pompon, scored 91 points.

New York, Nov. 28—Exhibited by Fred Pautke, Grosse Pointe Farms, Mich., Helen Newberry, White Pompon, scored 88 points.

Chicago, Nov. 25—Exhibited by Tong & Weeks, Ashtabula, Ohio, H. Tong, reflexed Jap, Yellow, scored 77 points.

Cincinnati, Nov. 25—Exhibited by Tong & Weeks, Ashtabula, Ohio, H. Tong, reflexed Jap, Yellow, scored 82 points.

Chicago, Nov. 25—Exhibited by Baur & Steinkamp, Indianapolis, Ind., No. 25-06, Lemon Yellow, Jap, scored 85 points.

CHAS. W. JOHNSON, Secy.

SOCIETY OF AMERICAN FLORISTS

Department of Registration.

Public notice is hereby given that F. H. DeWitt, of Wooster, Ohio, object for registration the Geraniums described below. Any person objecting to the registration or to the use of the proposed names, is requested to communicate with the secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

Descriptions.

GENERAL WAYNE.—Seedling of S. A. Nutt crossed with Jean Oberle; large, semi-double flowers borne in large trusses; color rich carmine; foliage small; habit and foliage like Jean Oberle.

AVIATOR RODGERS.—Seedling of Mme. L. Bisquit; large clusters of semi-double flowers; color bright salmon; bushy habit.

DAYBREAK.—Seedling of L'Aube crossed with Jean Oberle; double florets; small foliage; color darker pink than Oberle.

AVIATOR ATWOOD.—Seedling of S. A. Nutt crossed with Jean Viand; semi-double florets; large trusses; medium sized foliage; growth like Jean Viand.

Public notice is hereby given that The Conard & Jones Company, of West Grove, Pa., offer for registration the Cannas described below. Any person objecting to the registration or to the use of the proposed names, is requested to communicate with the secretary at once. Failing to receive objection to the registration the same will be made three weeks from this date.

Descriptions.

CONOWINGO.—The color of this flower is an intense fiery scarlet. Its foliage is an unusually beautiful plum color at the base, shading to rich olive green at the tip. The stately flowers are freely produced and stand well above the foliage, thus showing themselves off to good advantage. Height 4 to 5 feet.

SPLENDOR.—The most impressive quality in this Canna is the firm, well spread out formation of the flowers, which are an intense scarlet color and very large. It makes two or three bloom heads on each stalk, insuring flowers practically all the time, as new blooms are constantly appearing before the older flowers fade. "Splendour" is a fitting name to such a magnificent Canna. Green foliage. Height 3 to 3½ feet.

WABASH.—The bronze-leaved "Rosea Gigantea." Flower is unusually large, petals broad and borne in great abundance well above the magnificent foliage of deep purple brown, striped bronze green. Height, 4 feet.

BEACON.—Because of its abundance of bloom this Canna is notably effective. The moderate sized flowers are borne in great impressive heads of rich cardinal red. When seen in a row or bed the flowers show a mass of bloom that for color effect we think is unparalleled.

KATE F. DEEMER.—The grand flowers open a rich, oriole yellow which gradually gives place to turkey red in the center and throat of the flower in striking contrast with the rest of the blossom which turns almost white. The rich yellow buds on red-

dish brown stems combine with the yellow and white flowers, surmounting rich green foliage, to make a fascinating combination that always looks fresh and attractive. Height 3 to 4 feet.

H. B. DORNER, Secretary.

November 30, 1911.

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The Club will hold a field day at Framingham, Mass., on Saturday, December 16. Members and friends will please take special Boston and Worcester electric at Park square, Boston, at 12 o'clock sharp. Ladies will be welcome on this outing. The establishments of Messrs. W. R. Nicholson, S. J. Goddard and J. T. Butterworth will be visited, and the field day should prove interesting for all who attend.

The next regular Club meeting will be held at Horticultural Hall, on Tuesday evening, December 19, at 8 o'clock. This being the annual meeting for the election of officers a large attendance is desired. There will be two short practical talks given while ballots are being counted, and some fine exhibits are promised.

W. N. CRAIG, Sec.

YONKERS HORTICULTURAL SOCIETY.

On Friday, Dec. 1st, a well attended meeting of this society was held and many interesting matters discussed. The committee on spring show reported progress and the executive, on the financial result of the past fall show reported a deficit, which it was voted to pay from the society funds. In the carnation competition R. Cochrane was awarded first, for splendid blooms of Enchantress, White Enchantress and Dorothy Gordon. Messrs. Macdonald and Kinney were awarded cultural certificates; Messrs. Mooney, Nichols and Miller, acting as judges. Julius Roehrs Co., of Rutherford, N. J., exhibited Begonia "La Patrie" and a certificate of merit was awarded, its handsome glossy foliage being much admired.

H. M. B.

NOTES.

The St. Louis Retail Florists' Association will hold its regular monthly meeting next Monday night at 8 o'clock, in the Knights of Columbus Hall.

The West Virginia Horticultural Society, in session at Kersey, W. Va., elected the following officers for the ensuing year: President H. L. Smith, of Martinsburg; vice-president, A. D. Page, of Lost Creek; treasurer, H. H. Hoffman, of Keyser, and secretary, A. L. Dacy, Morgantown.

Denver, Colorado, is to have a flower show, November 11th to 16th, 1912, under the auspices of The Colorado Florists' Club. A guarantee fund of \$5000 has already been subscribed by the florists alone. We are asked to give this early information so that all the growers of the country may know that the premium list will include a special open class for the largest chrysanthemum plant in the show, without restriction as to variety, and in this class the first prize will be \$100; second \$75 and third \$50. These liberal premiums ought to bring out a lot of entries. J. A. Valentine is chairman of the committee.

FORCING POTGROWN LILACS, CRAB APPLES, HYDRANGEAS, ETC.

After arrival, pot your plants, water root balls if too dry, and store in a cool place until wanted. For earliest forcing expose pots for one week to freezing if no early frosts, place into cold storage room for about two weeks, then take into greenhouse, giving an even temperature of 73-75 degrees F. Water first freely, then water as needed, not too much, cut syringe the wood three times daily, not more. When the buds commence to show about an inch, stop syringing, water more freely and increase temperature to 80-85 degrees F. Keep the house atmosphere a moist one. Shortly before flowering keep the plants 5-10 degrees cooler, that flowers may open slower, and trusses grow larger. When ready keep plants in a cool vault or cellar for 36-48 hours in about 48-50 degrees temperature, to harden the flowers for better keeping. Do the same with the cut lilac, placing stems in cool water. When forcing small quantities at a time, it is advised to separate from rest of house with canvas, and to shade with canvas. For later forcing give less heat, down to 62-65 degrees; the flowers will then need about 6-7 weeks to develop, but they will turn out finer trusses. For latest forcing grow in a sunny but airy cool house. Marie Legray is put at once into full light; Charles X and the double flowering kinds should be shaded a little at the start; shading draws the trusses longer. Do not crowd your plants. To obtain best size trusses disbud to two flower buds to the branch. For early forcing cut back the leaf bud branches to one or two, as you cannot figure on foliage with the early flower.

With the long transit to the States, it will hardly do to risk earlier forcing than from January 15th forward, though when treated as above, plants should flower within three weeks. Etherizing plants for 12-24 hours, or giving the wood a 90-100 degrees hot water bath, is said to hasten the flowering.

Pot Grown Crab Apple (*Malus Scheideckeri*)—Treatment is similar to forcing lilacs, notably requiring less heat, about 65-75 degrees F. The buds should come into flower in about three weeks. Harden the plant before exposing for sale by storing for about 36 hours in a cool cellar or vault of about 50 degrees Fahrenheit.

Pot grown Snowballs, Thorn, *Prunus triloba*, *Wistaria*, *Citrus Laburnum*, and other semi-decaying plants, can be treated in about the same way; they will respond readily with flowering in the winter months, and prove a valuable acquisition to the window display, likewise for Easter sales.

Hortensia, *cosca* (Hydrangea), Improved *Leuco*, *novelties*, like "Avalanche" and "Dentelle" white, "La Lorraine" and "Mme. E. Mouilliere" pinkish, force much readier than the old *Oraksa* kinds. They are also more compact in growth, and promise to prove good hardy outdoor sorts, flowering from the young wood. The ordinary forcing process is well enough known; but to get extra early results give the wood a hot water bath of 90-95 degrees F. for 12 to 18 hours, and then start forcing. Plants thus treated and started by the French

grower on October 19 were ready for the market by the end of December.

The foregoing useful forcing notes are being sent broadcast to florists throughout the United States by August Rolker & Sons, New York.

CRAIG SPECIALTIES FOR CHRISTMAS.

Antoine Leuthy, the distinguished Boston horticulturist, landed in the City of Brotherly Love this morning, and the writer had the pleasure of his company in reviewing the splendid display of up-to-date stock which the Craig Company have on view this year. This company has a great reputation to maintain, but we saw no falling off in general excellence this year. House after house of poinsettias in all sizes; house after house of Lorraine; beautiful vistas of cyclamen; fine lots of azaleas; many housefuls of various colored dracaenas, including the favorites, Massangeana, Godsefiana and Lord Wolseley, as well as the old standbys—terminalis and fragrans; and a grand display of well colored *Pandanus Veitchii*. *Ficus pandurata* still cuts a large figure here, although it is now grown in quantity in every large horticultural center and therefore one might suppose the demand for it from its original starting place would have fallen off. There is a bewildering array of ferns and for quantity and variety and finish one must be hard to please who could not get every want satisfied here. The collection includes the favorite basket variety, *Amerpohli*; the compact crested *Schoelzeli*; the dark upright growing *Todaoides*; the Improved *Elegantissima* and *Elegantissima compacta*; the two Harris forms of Boston; and *Giatrix*. Nordmann firs, *araucarias*, boxwoods trained, berried *aucubas*, etc., are seen in plentiful assortment and lend a fine Christmas touch to the general display. Bright colored foliage plant combinations in 8 and 10 inch tubs, composed of dracaenas, crotons, *pandanus*, *achyrantes*, ferns, etc., beautifully arranged, and very showy, run in price from \$3.00 to \$6.00 and have met with such ready sale among leaders, like Battles of Philadelphia, Dards of New York and others, that the first two hundred and fifty tubs made up were sold inside of ten days and have had to be duplicated twice since.

G. C. WATSON.

COLLEGE POINT PLANTS.

We took our usual pre-Christmas trip through the plant houses of Anton Schultheis at College Point, N. Y., a few days ago. Schultheis is known as a good grower, but we think he has outclassed himself this year, especially on cyclamen, ericas, oranges, ardisias and Jerusalem cherries. The cyclamen are remarkably fine for so early in the season and the ericas are up to the highest standard, while the fruited plants are well-nigh perfect. In Lorraine begonias there is a fine display and they are selling rapidly. Azaleas are seen in the usual abundance, some new and very vivid colors not familiar as Christmas varieties being in evidence. There is no end of poinsettias, dracaenas, palms and ferns and a whole forest of handsome boxwoods. A little later on there will be some elegant lilacs, judging from the stock of this specialty waiting to be started along.

A GARDENERS' REUNION.

Sixteen years ago The New York Gardener's Society was organized for the purpose of forming a medium of closer acquaintance between private gardeners, to protect and further their interests and to advance Horticulture in general. It at once became a recognized harbinger of knowledge and friendship. Every member, (and they consisted of the principal gardeners and men allied with Horticulture within a radius of a hundred miles of New York City), went to work enthusiastically to promote a keener interest in gardening, a better appreciation of nature's beauties.

Their work resulted in the organizing of numerous local Horticultural Societies which on several occasions assisted the parent society in the giving of several historical floral exhibitions. Among those may be noted a grand three-day show in the Waldorf-Astoria, resulting in the giving to charity of over one thousand dollars; the free shows and distribution of flowers, plants and seeds to thousands of poor children at the New York City Hall and at The Newsboys' Home; a carnation show in the rooms of The New York Press Club and many monthly exhibitions at the Central Opera House and Mott Memorial Hall. A National Society of Gardeners was organized and many things accomplished, which during several years added much to inspire interest in horticultural history.

Through the watch of many leading members and through others having to submit to the ups and downs of a gardener's life, the existence of this historical society was submerged into that of its children. For many years "The Old Guard" of all those struggles and successes, have expressed many wishes for a reunion of all the remaining members and their new brothers in the profession. To meet this long-hoped-for pleasure a committee was appointed to make the necessary arrangements, with the result that on Thursday, Dec. 21st, 1911, a prize bowling tournament will commence at 4 P. M., followed with a dinner at 7.30 P. M., accompanied with an appropriate program of entertainment, when a great afternoon and night of jollification, a renewal of old friendships and aspirations is assured.

The splendid bowling alleys and banquet room comprising the entire fourth floor of Thum's, 1211 Broadway, between 30th and 31st Sts., New York City, have been secured for the event and we invite you to participate and make the occasion a memorable one. Tickets including everything may be procured from the committee. Price \$3.00 each. Application for same to be in by Dec. 15th.

Signed by the committee:—J. I. Donlan, Secy., 133 W. 28th St.; W. E. Marshall, Treas., 146 W. 23rd St.; Jos. A. Manda, Orange, N. J.

Tickets may also be procured from district members of committee as follows:—Alex. McKenzie, Glen Cove, L. I.; Peter Duff, Orange, N. J.; N. Butterbach, Oceanic, N. J.; John Shore, Harrison, N. Y.; Jas. Stewart, Mamaroneck, N. Y.; J. M. Hunter, Englewood, N. J.; John Everitt, Glen Cove, L. I.; Wm. Scott, Elmsford, N. Y.; David Miller, Tuxedo Park, N. Y.; J. J. McNicol, Cedarhurst, L. I.; F. E. Witney, Fishkill-on-Hudson, N. Y.; W. C. Russell, Millbrook, N. Y.

ORDER AT ONCE FOR CHRISTMAS

IT IS IMPORTANT TO ORDER AT ONCE, WHILE OUR STOCK IS COMPLETE.

CRAIG SPECIALTIES

Are known all over the country and are in greater demand each year. Having increased our glass area over 50,000 square feet, we are in a position to meet our fast increasing business. Our stock for the Holidays is superior in quality to any we have ever grown, notwithstanding the high standard we have maintained for years. You are cordially invited to call and inspect our stock, which includes the following, in the sizes herein listed.

25,000 Poinsettias—20,000 Begonia Gloire de Lorraine and Begonia Glory of Cincinnati

POINSETTIAS.

We grow none of the pluk variety, all our stock being of the selected, bright red sort, the bracts are unusually large in all the sizes.

5 in. pots, heavy	\$50 per 100
7-in. pans, 3 plants with ferns,	\$15 per doz.
8-in. pans, 3 plants with ferns,	\$18 per doz.
9-in. pans, 3 plants with ferns,	\$24 per doz.

DOUBLE POINSETTIAS.

This is a great improvement over the single variety, the bracts being double and much larger.

3-in. pots, heavy	\$20 per 100
4-in. pots, heavy	\$25 per 100
7 in. pots, 3 plants with ferns	\$1.50 each
8-in. pots, 3 plants with ferns	2.00 each

BEGONIA GLOIRE DE LORRAINE.

The largest and finest stock of this beautiful Christmas plant in the country. The plants have been grown cool and are sure to give satisfaction.

5-in. pots, heavy	\$9 per doz.
8 in. pots	\$24 and \$30 per doz.

BEGONIA LONSDALE.

We have a large stock of this light sport at the same prices as quoted above.

BEGONIA GLORY OF CINCINNATI.

5 in. pots	\$9 per doz.
6 in. pots	\$1.25 each
7-in. pots	\$1.50 each
8 in. pots	\$2 and \$2.50 each

AZALEAS.

5½-in. pots,	
6 in. pots,	\$12, \$15 and \$18 per doz.
7 in. pots,	
Larger plants...	\$2, \$2.50 and \$3 each
Small "Madame Petrick," for basket work	\$7.50 per doz.

BERRIED AUCUBAS.

Well berried and well colored
7-in., 8-in., 9 in. and 10 in. pots,
\$15, \$18, \$24, \$30, \$36, \$48 and \$60 per doz.

DRACAENA MASSANGIANA.

The variety with the golden stripe down the center of the leaf. This handsome plant is the best of all Dracaenas for the house. We have an exceptionally large stock, well colored, and of the very highest quality.

6-in. pots	\$18 per doz.
7 in. pots	\$24 per doz.
8-in. pots	\$2.50 and \$3 each
9-in. pots	\$3.50, \$4 and \$5 each
14-in. tubs	\$7.50 and \$10 each

DRACAENA FRAGRANS.

(Ready Now.)

6-in. pots	\$6 and \$9 per doz.
8 in. tubs	\$18 per doz.

DRACAENA LORD WOLSELEY.

One of the very best varieties for Christmas, being bright red in color.

3-in. pots, heavy	\$25 per 100
4 in. pots, heavy	\$50 per 100
5 in. pots, heavy	\$9 per doz.

DRACAENA TERMINALIS.

Exceptionally well colored.

3 in. pots	\$20 per 100
3-in. pots, extra strong	\$30 per 100
4-in. pots, strong	\$50 per 100
4 in. pots, extra strong	\$65 per 100
5-in. pots, extra strong	\$75 per 100
6-in. pots, extra strong,	\$12, 15 and \$18 per doz.
6 in. pots, made up with ferns,	\$15 and \$18 per doz.

DRACAENA GODSETIANA.

Fine for baskets.

3 in. pots	\$20 per 100
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DRACAENA MANDAIANA (New)

Large leaves, well colored.

3 in. pots	\$35 per 100
4 in. pots	\$50 per 100

PANDANUS VEITCHII.

Well colored.

2½ in. and 3 in. pots	\$30 per 100
4 in. pots	\$6 per doz. \$45 per 100
5 in. pots	\$9 per doz. \$70 per 100
6 in. pots	\$12 per doz. \$90 per 100
7-in. pots	\$15 and \$18 per doz.
8 in. pots	\$24 and \$30 per doz.

PHOENIX ROEBELII.

5 in. pots	\$7.50 per doz.
6 in. pots	\$12 per doz.
8 in. tubs specimen,	\$1.50, \$1, \$7.50 and \$6 each

ARACARIA EXCELSA.

5 in. pots, 4 and 5 tiers,	\$9 per doz. \$70 per 100
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FIGUS PANDURATA.

6-in. pots, 2 feet tall	\$2 each
6-in. pots, 2½ feet tall	\$2.50 each
7-in. pots, 3 feet tall	\$3 each
8-in. pots, 4 feet tall	\$4 each
10 in. and 11 in. tubs, 5 to 11 feet tall,	\$5, \$6, \$7.50 and \$10 each

The large plants are unusually fine. Branch plants, exceptionally fine.

\$2.50, \$3, \$3.50, \$4, \$5, \$6 and \$7.50 each	
ABIES NORMANIANA	
7½, \$1 and \$1.25 each,	
1 in. tubs very large...	\$2.50 each

BOXWOOD.

Just arrived

Rush Form	75c each
Ball Shape	\$1.50 each
Heavy Rush Form	\$1.50 and \$2 each
Pyramid	\$2.25, \$3, \$3.50, \$4 and \$5 each
Pyramid Squared, very handsome, in fancy tubs	\$10 each

ARECA LUTESCENS.

6-in. pots, 3 plants, 21 in. to 28 in. tall	\$9 and \$12 per doz.
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NEPHROLEPIS AMERIOHII.

Philadelphia Lace Fern.

4 in. pots, very heavy, for baskets,	\$30 per 100
8 in. pans	\$12 per doz.

NEPHROLEPIS SCHOLZELI.

2½-in. pots	\$6 per 100, \$50 per 1000
4 in. pots	\$20 per 100
6-in. 3 pans, heavy	\$6 and \$9 per doz.
8-in. 3 pans, heavy	\$12 and \$15 per doz.
10 in. 3 pans, heavy	\$18 and \$24 per doz.

NEPHROLEPIS TODEAOIDES.

London Fern.

2½ in. pots	\$5 per 100, \$45 per 1000
4 in. pots	\$20 per 100
11 in. tubs	\$24 and \$30 per doz.

NEPHROLEPIS ELEGANTISSIMA IMPROVED.

4 in. pots, strong plants	\$20 per 100
6 in. pots, strong plants,	\$6 and \$9 per doz.
11 in. tubs, strong plants,	\$2 and \$2.50 each

NEPHROLEPIS ELEGANTISSIMA COMPACTA.

2½ in. pots	\$6 per 100, \$50 per 1000
4 in. pots	\$20 per 100
6 in. pots	\$6 and \$9 per doz.
8 in. pans	\$12 and \$15 per doz.

NEPHROLEPIS SCOTTII.

Our stock is in superb condition.

2½ in. pots	\$5 per 100, \$45 per 1000
4 in. pots	\$20 per 100
6 in. pots	\$6 per doz., \$45 per 100
6 in. pots, heavy,	\$9 per doz., \$70 per 100

8 in. pans	\$12 per doz.
11 in. pans	\$18 per doz.
11 in. tubs, heavy,	\$2 and \$2.50 each

NEPHROLEPIS BOSTONIENSIS

HARRISII.

2½ in. pots	\$8 per 100, \$75 per 1000
4 in. pots	\$20 per 100
8 in. pots	\$12 per doz.
11 in. buckets	\$2.50, \$3, \$3.50 and \$4 each

NEPHROLEPIS WM. K. HARRIS.

A type of Boston more dwarf than Harrisii, but with the same wavy appearance of the fronds. An ideal variety in all sizes.

2½-in. pots	\$8 per 100, \$75 per 1000
4 in. pots	\$20 per 100

NEPHROLEPIS GIATRASHI (New)

Sport of Nephrolepis Bostoniensis. This variety is beautiful in a small plant and will prove a valuable addition as a small fern for pans, etc.

2-in. pots	\$12 per 100
7-in. pots, very heavy	\$12 per doz.

ADIANTUM HYBRIDUM.

The best variety for either pot plants or for cut fronds.

3-in. pots	\$10 per 100
4 in. pots, very heavy	\$20 per 100
6 in. pots	\$6 per doz., \$45 per 100
10 in. and 11-in. tubs,	\$12, \$15 and \$18 per doz.

ASPARAGUS PLUMOSUS NANUS.

2½ in. pots	\$4 per 100, \$35 per 1000
4 in. pots	\$7 per 100, \$65 per 1000

SPECIAL COMBINATIONS FOR CHRISTMAS.

The special combinations are made up with Crotons, Pandanus Veitchii, Dracaenas, Ferns, etc., and make handsome plants.

11 in. tubs, \$3.00, \$3.50, \$4.00, \$5.00 and \$6.00 each	
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TERMS:—To customers who have not established a credit, would suggest sending Certified Check, P. O. Order or Express Money Order.

ROBERT CRAIG COMPANY, 49th & Market Sts., PHILA., PA.
BRANCH, NORWOOD, PA.

Post Card

FROM AUGUST RÖLKER & SONS, NEW YORK

To the Editor of

HORTICULTURE:

Accept our best wishes to your Seventh Anniversary; continued Success be YOURS!-

Please tell your Readers that, to celebrate the event, we have

SEVEN GOOD MONEY MAKING PROPOSITIONS for a live Florist, which will be mailed to those sufficiently interested to address

Yours very truly and sincerely,

AUGUST RÖLKER & SONS,

31 Barclay Street, or

P.O. Box 752, NEW YORK.

FLORISTS' CLUB OF WASHINGTON.

The December meeting of the Florists' Club of Washington, held on Tuesday evening last, proved to be one of the most interesting of the season. It being the last meeting of the year, the members did not seem to be inclined to go very deeply into business, rather looking forward to the chats to be had with one another after the adjournment. After the usual routine business, the membership committee reported favorably on the application of E. J. Reynolds, who was duly elected to membership. He is one of the new arrivals in the city, having but recently come here from the Pacific Coast.

Considerable discussion greeted the motion made looking to the appointment of a committee to see that some sort of entertainment be provided for each meeting night, those present being unanimously of the opinion that something should happen every month. The committee, Messrs. Hammer, Bauer, and Oehmler, have already gotten together and have planned a series of lectures and ladies' nights. Immediately following adjournment, the members proceeded to the grotto where a buffet luncheon was awaiting them.

The meeting was well attended and President Mayberry states that he is in hopes the meetings of the coming year will be as successful.

CLARENCE L. LINZ.

NEWS NOTES.

Salem, Mass.—H. T. Conant will move into his new greenhouse quarters on the Father Mathew estate next week.

Sterling, Ill.—The Sterling Floral Co., 1711 E. 3rd street, and J. Swartley & Sons, 1702 E. 5th street, lost considerable glass by a recent hail storm.

Knoxville, Tenn.—Charles W. Crouch has finished three greenhouses, each 25 x 125 feet and a plant house 30 x 100 feet and has another house 25 x 125 feet started. He has forty-five houses with an area of 150,000 square feet of glass and cultivates fifty-five acres of land, fifteen of which are in flowers.

A JOY FOR EACH IN CHRISTMAS ATTIRE HOLIDAY! HOLIDAY! HOLIDAY!

Everything looks like a holiday in
Godfrey Aschmann's greenhouses

Leader in *Araucaria Excelsa*, 5½-6-in. pots, 3-4-5 years old, 3-4-5-6 tiers, 16-18-20-25-30-in. in height, 50c., 60c., 75c. to \$1.00.

Araucaria robusta compacta, 3-4 years old, best of stock.

Araucaria glauca, perfect jewels, nothing better in the world, \$1.00, \$1.25, \$1.50, \$2.00. Remember the only headquarters for *Araucarias*.

Next we have four houses jammed full of the **Choicest Ferns**, such as *Nephrolepis Bostoniensis*, *Whitman*, *Scholzei*, *Scottii* and *Glastrali* in 5, 5½, 6 and 7 inch sizes, at 25c., 35c., 40c. and 50c. Seven inch pots almost as big as a bushel basket, only 75c. to \$1.00.

Wilsoni Ferns, 6-inch pans, 3 plants in a pan, very strong and bushy, 25c. per pan. A big assortment of **Dish Ferns** from 2½-in. pots, big, bushy stock, \$5.00 per 100.

Rubber Plants, *ficus elastica*, large, 6-inch, 25-30 inches high, 40c.-50c.; 5½ inch, 25c.-35c. Large, 7 inch, 30 inches high, all staked up, 75c. to \$1.00. Our rubbers never were so nice as this year.

Kentia Forsteriana, 6-inch pots, 25-30-35-40 inches, 75c., \$1.00, \$1.25, \$1.50, \$2.00.

Kentia Belmoreana, 5½-inch pots, 20-25 inches high. A bargain seldom offered. Only 50c.; 6-7 inch pots, large plants, \$1.50 to \$2.00. Combination plants made up, big stock, 6-inch pots, 60c., 75c., \$1.00. A bargain!

Latanica Borbonica, choice, fine palms, 7-inch pots, 8 leaves, 30-inches high, 75c. to \$1.00. **Combination Latania** made up, 6-inch pots, 25 inches high, 50c.

Chinese Primroses, 4-inches, \$1.00; 5¼-inches, \$2.50 per dozen.

Cocos Weddelliana, 3-inch pots, 15c., 18c., 20c.; 4-inch, 25c.

Areca Lutescens, 4-inch, 18-20 inches high, 15c., 20c., 25c.; 5¼-inch, 30c.

Asparagus plumosus nanus, 2½-inch, \$3.00 per 100; 3-inch, \$5.00 per 100; 4-inch, large, bushy, only \$10.00 per 100.

Asparagus Sprengeri, large, 4-inch, 10c.

Begonia Gloire de Lorraine, in bloom, 5, 5½, 6-inch pots, 35c., 40c., 50c., 60c., 75c., \$1.00; 3-inch, 12c., 15c.

Begonia Glory of Cincinnati, 5, 5½, 6-inch, 60c., 75c., \$1.00, \$1.50; 4-inch, 30c., 35c., 40c.

Our well known improved **Begonia Erfordi** is in everybody's memory who ever bought it before. A beautiful Christmas bloomer, full flowers, now in high colors of pink variegated, red and bright red. Large 4-inch, 20c.; 5½-inch, 25c., 30c., 35c.

Azaleas in bloom and bud for Xmas. Large plants of **Deutsche Perle**, pure double white, 6-7 inch pots, \$1.25, \$1.50, \$2.00.

Vervaeckiana, \$1.00, \$1.25, \$1.50, \$2.00.

Simon Mardner, 75c., \$1.00, \$1.25, \$1.50, \$2.00


Mme. Petrick, pink, 75c., \$1.00, \$1.25, \$1.50.

CASH WITH ORDER, PLEASE. ALL PLANTS MUST TRAVEL AT PURCHASER'S RISK ONLY. PLEASE MENTION IF IN OR OUT OF POTS.

GODFREY ASCHMANN

Wholesale Grower and
Importer of Potted Plants

1012 W. Ontario St., PHILADELPHIA, PA.

 The prices quoted on these pages are wholesale and positively for the trade only. Parties buying not to sell again are not entitled to them.

Holiday Plants for the Florist

Our stock has never been so extensive in quantity and perfect in quality as what we have to offer to the trade this season. It is cool grown and well hardened off. You can stock up now on this superb material at prices no higher than you would be called upon to pay for plants less carefully grown and inferior generally.

LORRAINE BEGONIAS

These are among our leaders. We can supply in a wide assortment of sizes all the way from \$6.00 a dozen to \$30.00 a dozen. These are splendidly flowered and exceptional value. Carefully packed by experienced shippers they will travel long distances in good order.

ARDISIAS

The finest ever offered. Full berried and well colored. Ardisias are the ideal Christmas plant and their sale is increasing enormously every year. We can supply you at \$3.00 and \$6.00 per dozen and up. Order early and secure what you want before the stock is depleted.

DRACÆNA TERMINALIS

Bright colored and perfect in foliage. Have no equals for holiday basket and jardiniere filling. \$6.00 and \$9.00 a dozen and upwards.

Poinsettias, all sizes of pots and pans, **Cyclamens**, **Camellias**, **Azaleas**, **Oranges**, **Crotons**, **Pandanus**, **Araucarias**, **Kentias**, **Cocos Weddeliana**, **Phoenix Roebelini**, **Ficus**. **Ferns** in large variety, Specimens and Small Stock for Dishes. All these and lots more which you are invited to come and inspect. If you can't come, send for complete illustrated catalogue and price list.

ORCHIDS

All the leading popular varieties in moderate priced, established plants, and all worthy novelties. Our range of Orchid houses is the largest on the American continent. Write for Orchid catalogue. It's a beauty.

Ornamental Conifers, Boxwoods and Bays. Largest stock in the country of Standard and Pyramidal Bays.

JULIUS ROEHRS CO.

RUTHERFORD, N. J.

We Have A Fine Stock Of ... FERNS FOR DISHES ...

BOSTON FERNS.				
Pots	Each.	Doz.	100.	1000.
2 in.	\$3.00	\$25.00
6 in.	\$6.00	45.00
7 in.	75	9.00	.....
8 in.	\$1.00	12.00	.....
9 in.	1.50	18.00	.....
Fern Baskets 1.00				
Asst. Ferns for dishes, 2 in. 3.00 25.00				
Cibotium, 7 in., \$2.50 each.				

PALMS.				
Cocos Weddelliana.				
		Doz.	100	
2 in.	\$1.75	\$14.00
3 in.	2.50	20.00

Kentia Belmoreana.				
Height	Leaves	Each	Doz.	100
2 1/2 in.	8	4	.....	\$1.50 \$12.00
3 in.	8-10	4 5	.....	2.00 15.00
4 in.	12-15	4 5	.....	3.00 30.00
5 in.	18-20	5 6	\$0.75	9.00
7 in.	28-30	6 7	2.50	30.00
7 in.	40-44	6 7	4.50	.....
8 in.	44-45	7 8	5.50	.....
9 in.	48-50	7 8	8.00	.....
9 in.	50-54	7 8	10.00	.....

Kentia Forsteriana.				
Pots.	Height	Leaves	Each	Doz.
2 1/2 in.	.....	.....	.....	\$1.50
3 in.	.....	.....	.....	2.00
4 in.	.....	.....	.....	3.00
5 in.	.....	.....	.....	5.00
5 in.	20-24	4 6	75	9.00
6 in.	30-35	4 6	1.00	12.00
7 in.	36-38	5 6	2.50	.....
8 in.	40-42	5 6	4.50	.....
9 in.	46-50	6 7	7.00	.....

Made-up Kentias.				
Pots.	Height	In a pot	Each	
9 in.	50-54	3-5	\$8.00	
7 in.	24-30	3-4	2.50	
10 in.	58-60	4-5	10.00	
12 in.	62-70	4-5	15.00	

Lantana Borbonien.				
Pots	Leaves	Doz.	100	1000
2 in.	1-2	.....	\$3.00	\$25.00
4 in.	.....	\$3.00	20.00	.....
5 in.	.....	5.00	40.00	.....

Pandanus Utilis.				
3 in. pots.	.....	per doz.	\$2.00	

Pandanus Veitchii.				
4 in. pots.	.....	each.	50; doz.	\$5.50
5 in. pots.	.....	each.	75; doz.	9.00
6 in. pots.	.....	each.	1.00; doz.	12.00

Phoenix Canariensis.				
7 in. pots.	36 to 40 in. high	.....	each.	\$2.50
10 in. pots.	50 to 54 in. high	.....	each.	8.00
10 in. pots.	60 to 64 in. high	.....	each.	10.00

Phoenix Reclinata.				
4 in. pots.	each.	25; doz.	\$3.00; 100.	\$20.00
5 in. pots.	each.	50; doz.	5.00	
6 in. pots.	each.	75; doz.	9.00	

Phoenix Roebeleni.				
Pots	Each	Doz.	100	
2 1/2 in.	\$2.00	\$15.00	
3 in.	3.00	22.50	
5 in.	9.00	70.00	
6 in.	\$2.00	.....
7 in.	2.50	.....

Areca Lutescens.				
3 in. pots.	3 in pot, doz.	\$2.00; 100.	\$15.00	

STOVE AND GREENHOUSE PLANTS.				
Araucaria Ex.	6 in.	\$1.25	each	
Asparagus Baskets.	1.00, 1.50 and 2.00			
Asparagus Plumosa.	2 in.	\$3.00	per 100	
Asparagus Plumosa.	3 in.	\$1.00	doz.	
		\$8.00	per 100.	
Asparagus Sprengeri.	3 in.	.75	doz.	
		\$6.00	per 100; \$50.00	per 1000.
Asparagus Sprengeri.	4 in.	(500 at 1000		
rate).	\$1.50	doz.; \$10.00	per 100; \$80.00	per 1000.

Crotons				
Pots	Each	Doz.	100	
2 1/2 in. pots	\$1.00	
3 in. pots	1.50	
4 in. pots25	3.00
7 in. 4 in a pot75-\$1.00	.....

Cyperus.				
Pots	Doz.	100		
4 in.	\$1.25	\$8.00	

Dracena Fragrans.				
Pots	Doz.	100		
2 1/2 in.	\$1.50	
3 in.	2.00	
4 in.	3.00	
5 in.	5.00	

Dracena Indivisa.				
Pots	Doz.	100		
2 in.	\$3.00	\$25.00
7 in.	each.	\$1.25; doz.	\$15.00

Dracena Massangeana.				
6 in. pots.	.....	each.	\$1.25	
7 in. pots.	.....	each.	1.50	

Dracena Indivisa.				
3 in. pots.	.....	doz., .75; per 100.	\$6.00	

Dracena Terminalis.				
Pots	Each	Doz.	100	
3 in.	\$1.75	
4 in.35	4.00	

Eunonymus Variegata.				
(Golden and silver leaf.)				
2 1/2 in. pots.	.....	doz.,	\$0.50	

Ficus Elastica.				
(Rubbers.)				
6 in. pots.	.....	each, 50c.; doz.,	\$6.00	

Ficus Repens (Vines).				
2 1/2 in. pots.	.....	each, 50c.		

Ivy, English.				
3 in. pots.	.....	doz.,	\$0.75	
4 in. pots.	.....	doz.,	1.50	

Primula Obconica.				
3 in. pots.	.....	doz., \$0.75; per 100.	\$6.00	

Primula Sinensis.				
4 in. pots.	.....	doz., \$1.50; per 100.	\$10.00	

Solanum Aculeatissimum.				
Pots	Each	Doz.	100	
6 in., strong plants.	\$0.50	\$2.25	

Tradescantia Variegata.				
(Wandering Jew.)				
2 in. pots.	.....	doz., 40c; per 100.	\$3.00	

THE GEO. WITTBOLD CO., Edgebrook,
CHICAGO, - ILL.

MONEY FOR YOU.

What you want—and what we have—
is where Horticulture comes in.

**Something you can make
money on**

ADIANTUM HYBRIDUM

from 2 1/2 in. "longs"
the great decorative fern

\$6.00 per 100; \$50.00 per 1000

can ship from Norristown as well as
Gwynedd Valley Sta., Pa.

Red Rose Nurseries

(Alex. Cumming & Sons, prop.)
CENTER SQ., PA.

BEST PALMS

All Varieties, All Sizes.
Send for Price List

Joseph Heacock
Wyncote, Pa.

Boston Ferns 2 1/2 in. \$3 per 100;
\$30 per 1000

Whitmani \$5 per 100; \$40 per 1000;
250 at 1000 rates

H. H. BARROWS & SON, Whitman, Mass.

We Are BOOKING ORDERS NOW FOR CHRISTMAS DELIVERY!

*Following is a partial list of first-class
blooming and foliage plants, which we
offer as usual, at very reasonable prices.*

ARDISIAS—5, 5 1/2 and 6 in. pots, \$1.00 to \$2.50 each.

AZALEAS, BUSH—Firefly, 4, 4 1/2, 5, 5 1/2, 6, 6 1/2, 7 in. pots, 35c. to \$2.00 each. Mme. Petrick, 4 in. to 6 in. pots, \$4.00 to \$12.00 a doz.; 6 1/2 and 7 in., \$18.00 and \$24.00 a doz.; 8 in., \$3.00 to \$5.00 each. **Vervaeana**, 5 1/2 to 6 1/2 in., 50c. to \$1.50 each; 7 to 9 in., \$2.00 to \$5.00 each. **Mardner**, 5 1/2 to 8 in., from 50c. up to \$4.00 each; 9 in., \$4.00 and \$5.00 each.

PYRAMIDS—Mardner and Vervaeana in 7 to 9 in. pans, \$4.00 to \$6.00 each. Millot, Anne Gunkel, Vervaeana Alba and Deutsche Perle, \$5.00 and \$6.00 each.

FANS—\$5.00 and \$6.00 each.

LORRAINE BEGONIAS—8 in., \$1.50 to \$2.50 each.

CAMELLIAS—6 to 7 in. pots, \$1.50 to \$3.00 each.

CYCLAMEN—Finest ever offered, \$9.00 doz. to \$3.00 each.

ERICA MELANTHERA—All sizes from 6 in. to 9 in. pots, \$2.00 to \$5.00 each.

ORANGES—Well-fruited in 8 in. half-pots, \$2.50 to \$4.00 each.

POINSETTIAS—Single stem, \$3.00 to \$6.00 a doz.; 4 in a 6 in. pan, \$12.00 a doz.; 5 in 7 in. pan, \$15.00 and \$18.00 a doz.; 6 in 8 in. pan, \$18.00 a doz.; 7, 8, 10 and 12 in a pan, \$2.00 to \$4.00 each.

JERUSALEM CHERRIES—Very heavily fruited, extra fine, \$6.00 to \$12.00 a doz. **DRACAENA TERMINALIS**—\$9.00 to \$15.00 a doz.; **Fragrans**, \$6.00 to \$12.00 a doz.

CROTONS—From 3 in. at \$2.00 a doz. up to 6 in. at \$1.50 each.

PANDANUS VEITCHII—\$4.00 to \$12.00 a doz.

PHOENIX ROEBELENI—3 1/2 in. pots, \$2.00 and \$3.00 a doz.; 7 in. pots, \$1.50 to \$2.00 each.

ARAUCARIA EXCELSA—50c. to \$2.50 each.; **Glaucia**, \$2.00 to \$3.00; **Robusta**, \$1.50 to \$3.00.

FICUS ELASTICA—6 in. pots, \$9.00 a doz.

KENTIA BELMOREANA and FORSTERIANA—Single plants, \$1.50 to \$10.00 each; combination, \$3.00 to \$14.00 each.

FERNS Boston, 6 1/2 in. to 9 in. pots, 50c. to \$3.00 each; **Scotti**, 6 in. to 12 in., \$1.00 to \$5.00 each; **Schoelzeli**, 13 in. tubs, \$5.00 and \$6.00 each.

ANTON SCHULTHEIS, College Point, N.Y.

Xmas—Plants—Xmas

Ardiasias

Oranges

Crotons

Cyclamen

Erica Melanthera

Azaleas

Lorraine Begonias

Araucarias

Scottii Ferns

Boston Ferns

Cibotium Ferns

Holly Ferns

Cypripediums

Thomas Roland, Nahant, Mass.

FRANK OECHSLIN

wishes you a

MERRY CHRISTMAS

and extends a

CORDIAL INVITATION

to you to visit his houses at any time.

ENTIRE RANGE DEVOTED TO POT PLANTS

(and within a few minutes ride of the downtown district.)

4911 W. Quincy Street

CHICAGO, ILL.

NO BETTER FERNS

Are to be found than those we now offer. They are well grown, full and bushy, the best varieties, price \$3.00 per hundred. *Dracaena Sanderi*, variegated white and green, an ideal center plant, prime stock \$2.00 per dozen, \$15.00 per hundred. We use great care in packing, and have scores of regular customers throughout the South and East. May we send you a sample shipment?

Cash please or satisfactory references

R. G. HANFORD, Norwalk, Connecticut

In ordering goods please add "I saw
it in HORTICULTURE."

PALMS, FERNS AND DECORATIVE PLANTS

JOHN SCOTT

Rutland Road and E. 45th St.
Tel. 2890 Bedford BROOKLYN, N. Y.

Just Received, a Large Assortment of

AZALEAS

in the very best commercial varieties, in all
sizes, at Lowest Prices.

A. LEUTHY & CO.

Perkins Street Nurseries, Roslindale, — Boston, Mass.
Price list on application.

ORCHIDS

*Largest Importers, Exporters, Growers
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SANDER, St. Alban's, England
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NEW YORK CITY

CYPRIPEDIUM CAUDATUM

We have received a small importation of
this almost extinct orchid and can offer
a limited number of same at moderate
prices. Write for particulars.

LAGER & HURRELL, SUMMIT
N. J.

HEADQUARTERS FOR CHRISTMAS GREENS

Special Selected Grades for Florists.



HOLLY — MISTLETOE — LYCOPodium

WREATHS — Laurel, holly and lycopodium.

ROPING — Laurel and lycopodium.

MOSS — Green lump and sheet.

And all other specialties for the Holidays.
*Special circular with prices mailed to all.

HENRY F. MICHELL CO. ⁵¹⁸ MARKET STREET, PHILA., PA.

PLANT GROWERS

Send A List of What You Have to Sell
in Holiday Stock

I have a market for all pot plants you can supply in good quality
and reasonable price if you LET ME KNOW EARLY.

C. C. TREPEL, LOESER'S, Brooklyn, N. Y.
BLOOMINGDALE BROS., New York City
GIMBEL'S, New York City

Largest Retail Plant Dealer in the United States

PATENTS GRANTED.

- 1,007,682. Agricultural Spray and Process of Making Same. Carleton Ellis, Montclair, N. J., assignor to Ellis-Foster Company, a corporation of New Jersey.
- 1,007,735. Tree-Planting Machine. James E. Rodman, Topeka, Kans.
- 1,007,752. Hand-Transplanter. James W. Thompson, Harlington, Texas.
- 1,008,160. Grass Seed Sower. Martin V. Kinne, Fenton, Mich., assignor to Earl C. Slocum, Fenton, Mich.
- 1,009,853. Mowing Machine. Amand Pape, Willow Springs, Ill.
- 1,010,084. Weeder. Frederick B. Sprague, Smyrna, N. Y.
- 1,010,238. Motor Driven Agricultural Apparatus. Albert E. Cook and Samuel E. Lurtz, Odebolt, Iowa, assignors to The International Motor Plow Company, Chicago, Ill.
- 1,010,257. Seed-Planter. William D. Heflin, Sardis, Miss.

IN BANKRUPTCY.

Tomah, Wis.—The Bonnie View Fruit Farm & Nursery Co. has been adjudged bankrupt.

GREENHOUSES BUILDING OR CON- TEMPLATED.

- Olean, N. Y.—William Ronolder, one house.
- Downieville, Pa.—Einhouse Farm, one house.
- Lansing, Mich.—William Krieger, house 30 x 100.
- Calla, Ohio—W. P. Mellot, cucumber house 35 x 110.
- Los Angeles, Cal.—Speakman Bros., one rose house.
- Worcester, Mass.—John Coulson, May street, one house.
- Muscatine, Iowa—Charles Rider, Burlington road, one house.
- Hartford, Conn.—F. C. Welch, 188 Westland street, one house.
- Grand Rapids, Mich.—Thomas Newhof, Dunham street, one house.
- New Albany, Ind.—Anders Rasmussen, 1108 Vincennes street, one house.
- Spencer, Mass.—Charles H. Green, Park street, carnation house 30 x 100.
- Fitchburg, Mass.—George Leland, Rindge road, range of carnation houses.
- Benton Harbor, Mich.—The Central Seed & Bulb Co., propagating house 15 x 32.
- Longmeadow, R. I.—Wm. C. Pratt & Son, Maplehurst Greenhouses, house 28 x 123.

WANTED FOR CHRISTMAS

Dec. 22nd to 25th

**25 Marechal Niel
Rose Buds**

H. R. COMLEY
6 Park St., Boston

Box Trees

and other EVERGREENS for Tubs and Boxes
Our Prices are Always Right—Catalog Free
THE NEW ENGLAND NURSERIES, Inc.
BEDFORD, MASS.

DIRECT IMPORTATIONS

Bay Trees, Kentias, Azaleas, Valley Pips, Roses, Rhododendrons, Boxwood, Manetti, Evergreens, Jap. Lilies, Raffia, etc., etc.
Nursery stock from France, Holland, England and Japan.

McHutchison & Co. 17 Murray St.
New York, N. Y.

A WORD TO THE Retail Florist Trade of America

In the following pages you will see the Holiday Offerings of the Leading Wholesale Dealers in Cut Flowers. These firms are in business to supply you. They look for no other outlet. They are worthy of the support which they ask for in these announcements. The stock they offer is the best ever placed before the holiday buyers. You will need it all. Read what they have to say, and then get busy with them as to prices and quantity.

It is Early
But Not a Day Too Early
To Place Your Orders

"Prize That Which Is

1800 years ago there lived a great philosopher, Marcus Aurelius Antoninus. at a'l? Whatever is in any way beautiful hath its source of beauty in itself and *which is best in the universe.*" Now, if this wise ancient were living today to change a word of the lines I have quoted, would he? When he talked about Cattleya, the peerless Phalaenopsis or the glorious Oncidium? And it is the over all that he "prizes that which is best."

It Is Now Many Years Since I Began to Urge

this fact on the florists of America and you see I am still "keeping everlastingly at it." Directly or indirectly the precedence and prosperity of many of the most noted florists in the country are due to the handling of McManus' Orchids. You can't put the fact too strongly, that the florist who gives Orchids and Gardenias a secondary place today, will never, never "get there." Distance need be no bar to the shipment of these fine goods. I have shipped them successfully across the Continent.



Telephone
759 Madison Square

JAMES M

CATTLEYA HEADQUARTERS

Best In The Universe"

ing his sayings we find this: "Doth perfect beauty stand in need of praise complete in itself; praise forms no part of it." Again, he says: "*Prize that* had something to say about the flower business at its best he wouldn't have perfect beauty, isn't it easy to imagine that he had in mind the regal every time of the florist who outdistances all his rivals and holds his lead



My Daily Receipts of Choice Orchids are the Largest

received by any house in the country. And they all find a good sale—North, South, East, West. Are YOU on our shipping list? If not, write and let us see what we can do for you. It will pay you and it will pay me. At the Holiday season the list of fancy stock offered includes Cattleyas, Brasso-Cattleyas, Oncidiums, Phalaenopses, Laelias, Cypripediums, Vandas, Calanthes, Odontoglossums, Dendrobium formosum, Zygopetalums and many other orchids not obtainable elsewhere, Gardenias, Lily of the Valley, Roses, Carnations, Yellow and White Daisies, Sweet Peas, Asparagus, Farleyense Ferns, etc.

McMANUS
FLO-
WERS, NEW YORK

55 W. 28th Street



DOUBLE WHITE KILLARNEY

SOME VALUABLE NEW ROSES For 1912

Flower lovers all over the country are tired of having to buy just two or three kinds of roses and are wanting and demanding something different, even if they do have to pay more for them.

The rose growers who realize this and are awake to the fact that novelties are going to be very much more in demand all the time are making no mistake in going into the newer meritorious introductions.

We have never had a larger or better variety to offer than our list for 1912.

DOUBLE WHITE KILLARNEY

The Budlong Strain—1912

With its stronger, more vigorous growth, larger and heavier flowers, double the petalage and purer white, is a tremendous improvement over White Killarney, and is sure to be a money-maker not only for winter forcing but for summer growing. We

recommend it as being the very best commercial white rose today. As a summer rose, it is such an improvement over Kaiserin that some of the larger growers are going to discard Kaiserin for Double White Killarney.

KILLARNEY QUEEN

The Budlong Strain—1912

Is about three shades darker than Pink Killarney, and during dark and cloudy weather the color does not fade, but remains a bright, deep, rich pink. It is of very much more vigorous growth than Killarney, even a stronger grower than Double White Killarney. Flowers are about twice as large as Pink Killarney, about the same petalage and borne on tremendously heavy, long stems, larger and heavier foliage. Many consider this rose in the American Beauty class, its habit, growth and size are so vigorous and far ahead of Pink Killarney.

DOUBLE WHITE KILLARNEY and KILLARNEY QUEEN

Grafted\$30.00 per 100; \$70.00 per 250; \$250.00 per 1,000; \$600.00 per 2,500; \$1,100.00 per 5,000
Own Root..... 25.00 per 100; 60.00 per 250; 200.00 per 1,000. Deliveries during March.

SUNBURST

Another fine yellow, a 1912 introduction, of golden orange, shading into golden yellow, extremely brilliant in effect, a long pointed bud of good size, the largest of the yellow; borne on long stiff stems. March deliveries.

Grafted\$35.00 per 100; \$300.00 per 1,000
Own Root..... 30.00 per 100; 250.00 per 1,000

DOUBLE PINK KILLARNEY (Scott)

Grafted.....\$20.00 per 100; \$150.00 per 1,000
Own Root..... 12.00 per 100; \$100.00 per 1,000

MRS. AARON WARD

Grafted\$20.00 per 100; \$150.00 per 1,000
Own Root..... 10.00 per 100; 90.00 per 1,000

MELODY

Own root stock.\$12.00 per 100; \$100.00 per 1,000

LADY HILLINGDON

Grafted\$25.00 per 100; \$200.00 per 1,000
Own Root..... 20.00 per 100; 150.00 per 1,000

MRS. TAFT (Prince de Bulgarie or Antoine Rivoire)

Grafted\$15.00 per 100; \$120.00 per 1,000
Own Root..... 7.50 per 100; 60.00 per 1,000

RIBBONS and SUPPLIES

Many new patterns in exclusive Christmas ribbons. Write us for prices on these and on supplies.

S. S. PENNOCK-MEEHAN CO.
THE WHOLESALE FLORISTS OF PHILADELPHIA

NEW YORK
109 W. 28th Street

PHILADELPHIA
1608-1620 Ludlow street

WASHINGTON
1212 New York Ave.

CHRISTMAS SPECIALTIES

All Guaranteed for Quality as in Past Seasons

CUT FLOWER DEPARTMENT

Lowest Boston market rates will prevail for the Holidays as is our unvarying custom. We can supply first-class fresh stock that will give satisfaction, carefully packed and shipped according to time and manner directed.

Our Roses

Are the best grown for Boston trade

We have in quantity the following recently introduced varieties:

CARDINAL, MRS. AARON WARD, DARK PINK KILLARNEY, TAFT

Also My Maryland, Richmond, Killarney White and Pink, Perle, etc.

Lily of the Valley, Lilies, Violets, Carnations, Poinsettias, etc., etc.
in quantity as needed.

GREENS AND SUPPLY DEPARTMENT

HOLLY—\$5.00 per case; \$9.00 for two cases; five or more cases at \$4.00 per case. **Holly Wreaths** \$12.00 per 100.

BOXWOOD—Cases, full 50 lbs., 15c. per lb. Case weight not included. We do not charge you for lumber. **Hedge Boxwood**, fine glossy green, very little wood, 18c. per lb.

MISTLETOE—Fine berries, \$1.50 per package of 4 lbs.

LAUREL WREATHS—16 in., \$20.00 per 100. **Laurel Roping**—6c. per yard.

GALAX—\$1.00 per 1000; case of 10,000, \$7.50.

HARDY FERNS—Top quality, \$1.25 per 1000.

PRINCESS PINE WREATHS—12 to 14 in., \$2.00 per doz.

CHRISTMAS RED BERRIES—large bunches, 25c. per bunch.

VELVET POINSETTIAS—with leaves and long stems, per doz., \$2.00.

A full line of all Supplies, Vases, Fern Boxes, Baskets, Foil, Wire, Immortelles, etc., etc., too numerous to mention. Send for quotations on anything you need for the holidays or any other time.

N. F. McCARTHY & CO.

WHOLESALE FLORISTS

TEL. MAIN 5973
and 5974

84 Hawley St., Boston

EVERYTHING

You Need for the Holiday Trade

Cut Flowers

We have the best equipped wholesale flower shipping establishment in the world. The New England, New York and Canadian trade supplied with the very best stock grown for the discriminating Boston demand. All choice grades of Beauty, Killarney, White Killarney, Maryland, Bride, Bridesmaid, Richmond, Radiance, and the great yellow novelties Lady Hillingdon, Mrs. Aaron Ward and Mrs. Wardell.

Carnations—All leading varieties, Whites, Pinks and Xmas Reds. Lily of the Valley, Violets, Paper Whites, Lilies, Cattleyas, Poinsettias and late Chrysanthemums.

Experienced Packers and Prompt Deliveries are our Strong Points.

Holiday Greens

This year our supply of case Holly, Mistletoe, Boxwood, Southern Smilax, Ferns, Moss, Leucothoe and Galax will be the largest we have ever offered. Send your Holly order now. Quality A1.

Our Supply Department

has recently been renovated throughout and enlarged. We carry **everything** in the line of wire work, baskets, fern dishes, jardinières, vases, immortelles, folding boxes, ribbons and chiffons, waxed paper, waterproof crepe paper, tin foil, letters and inscriptions, cycas leaves, preserved foliage, sheaves,—in fact everything that any first class house carries. Prices as low as the lowest.

You save expense and trouble by having your supply order, greens and cut flowers all sent in one shipment from one place.

Make your wants known. Send for price list.

WELCH BROS.

226 Devonshire Street, Boston

'Phones: Main 6267, 6268, 5419

P. J. SMITH

SUCCESSOR TO JOHN I. RAYNOR

Oldest Wholesale Flower Commission House in New York

All the popular Roses and Carnations, including Standard Varieties and Novelties. Headquarters for Lilies, by 1,000 or 10,000. Lily of the Valley, Cattleyas, Violets, Gardenias, Adiantum Croweanum, original stock. The usual line of Holiday Specialties.

ORDER NOW AND YOU WILL BE WELL TAKEN CARE OF

49 West 28th St., New York

TELEPHONE 1998 MADISON SQ.

ORDER EARLY

My growers are prepared to furnish American Beauty, Maryland, Killarney and Hilda Roses in choice quality for Holiday sales. Other specialties are Carnations and Violets. Also anything else you may want in seasonable flowers. Prices right.

M. C. FORD

Telephone
3870-3871 Madison Sq.

121 West 28th Street

NEW YORK

EDWARD C. HORAN

WHOLESALE FLORIST

55 WEST 28th ST., NEW YORK

Holiday Price List Now Ready

Tel. 1462-1463 Madison Sq.

William Stuart Allen Co.

Commission Merchants in Cut Flowers

53 West 28th St., New York City

Correspondence Solicited

PHILIP F. KESSLER

SMILAX AND ASPARAGUS

Largest Supply Controlled by any Wholesale House.
Quality Unexcelled.

Lilies, Sweet Peas, Freesias

Any Quantity, Market Rates.

55 and 57 West 26th St., - - NEW YORK

COOGAN BUILDING. Phone 5243 Madison Square.

CHARLES MILLANG

Street Floor, Coogan Building

55 and 57 West 26th Street, NEW YORK

Centrally Located. The Hub of the
Great Wholesale Cut Flower District

ALL FLOWERS. ANY QUANTITY. BOTTOM PRICES

SPECIAL FOR HOLIDAYS

LILAC

MIGNONETTE, VIOLETS, SWEET PEAS

Regular supplies of Roses, Carnations, etc., highest quality

WM. P. FORD

45 W. 28th Street - NEW YORK

No Guess Work In Our Methods

All goods are placed on show at the same time.
Having ample space we are enabled to do
this to great advantage.

Telephone 756 Madison Square

WRITE US TODAY

Consignment
Notes, Small Box
Slips and Shipping
Cards Free.

MOORE, HENTZ & NASH, 55-57 West 26th St., N.Y.
MOORE, HENTZ & NASH, 55-57 West 26th St., N.Y.
N.Y., IS 4192 West 26th St., N.Y.

Commission
charges and other
valuable information
for the asking.

CHECKS WEEKLY

Each growers goods are sold separately. Every sale
large or small recorded in triplicate.
Advice of sale note sent out day following the
arrival of goods.

H. E. FROMENT

WHOLESALE FLORIST

57 West 28th St., New York

Telephone 2200, 2201 Madison Sq.

FLOWER GROWERS EVERYWHERE

Your attention is called to the newest and best equipped wholesale establishment in New York. With 20 years' experience in the Cut Flower Commission Trade and access to the best buying trade in the country, I have fitted this place up with unexcelled facilities for receiving, storing and disposing of your products. With this largely increased equipment, I have room for and can handle to advantage a much heavier supply than I have hitherto been receiving. Call and inspect, or write and make appointment to consider my proposition to handle your product for the coming season. Best market values for good stock and prompt remittances assured.

ALFRED H. LANGJAHR

130 West 28th Street, NEW YORK

Telephone 4626-4627 Madison Sq.

Chicago Flower Growers' Association Dissolved!

So it was falsely reported by the Chicago papers. But we are in the business to stay and no dissolution thought of.

This **Association** has become a factor both in the Chicago market and in the shipping business. We are forging ahead by strides and bounds. We organized on a bed rock basis, for our stock is grown by our own stockholders which insures permanency.

Get Your Christmas Orders in Early

FANCY STEVIA, \$1.50 to \$2.00 per 100.
PAPER WHITES, \$3 and \$4 per 100.
VIOLETS, California and Princess (single) and doubles, 60c. and 75c. per 100 now; Christmas week, \$2 and \$2.50 per 100.
EASTER LILIES now \$8, \$10 and \$12 per 100; Christmas week, \$12 and \$15.
LILY OF THE VALLEY, \$2, \$3, and \$4 per 100; Christmas week, extra fancy, \$5.00.
POINSETTIAS (cut) price according to size of bloom, \$2, \$3, \$4 and \$5 per doz.
CHRISTMAS RED BERRIES, very choice, small box, \$2, large box, \$3.

ASPARAGUS PLUMOSUS and SPRENGERI, per bunch, 25c., 35c. and 50c.
SMILAX, extra heavy and long, \$20 per 100; \$2.50 per doz. Medium, \$2 per doz.
ADIANTUM, \$1 and \$1.25 per 100.
MEXICAN IVY, \$6 per 1000.
MAHONIA SPRAYS, similar to Leucothoe and much better, \$1.00 per 100.
ROSES, a fine lot of all kinds: Fancy, \$10; Medium, \$5; Short, \$3 and \$4 per 100 now. Christmas week, Fancy, \$20 and \$25; Medium, \$15 and \$18; Short, \$10 and \$12.
CARNATIONS now \$2 to \$3 per 100; Christmas week, \$6 to \$8. Extra fancy, red, \$10 per 100.

CHICAGO FLOWER GROWERS' ASSOCIATION

176 N. Michigan Ave., Chicago

POEHLMANN BROS. COMPANY

33-35-37 Randolph Street, CHICAGO

When in doubt where to buy your Christmas Flowers TURN TO POEHLMANN'S

We undoubtedly have the best the market affords. Prices according to quality. Specialties,—Beauties, Teas, Carnations, Valley, Lilies and Orchids. Like all others we are not infallible but as a rule we have what you ask for.

Backed up by the growing stock in our greenhouses we are in a strong position to provide for your wants.

Weekly price lists of cut flowers will be mailed to those desiring same. Have your name added to our mailing list.

Watch for our Advertisements!

Sometimes we have specials which are good value.

POEHLMANN BROS. CO.

CHICAGO NOTES.

Outlook for Christmas Stock.

Unusual conditions have marked the year just closing and the weather reports have several times broken all previous records. Notwithstanding this, houses are filled with as fine a grade of flowers as the closing month of the year is wont to find. Much building has been done since the last holiday season, the low price of glass and the ever hopeful disposition of the florist being an irresistible combination. Much of the usual speculation on the Christmas stock centers on the American Beauty now, which has been decidedly off crop with most of the largest growers for a few weeks. Red carnations are expected to come to the front and produce all that are needed no matter how largely the plants are out-numbered by the white varieties for the public demands red. Richmond roses seem likely to fulfill all reasonable demands if the weather is bright. As usual the only bulbous stock to be depended upon in quantity is paper whites and Roman hyacinths. Chrysanthemums are not expected to hold out much longer and few will be left for the holidays. As ever the plant men will have a large share of the Christmas dollars turned their way.

The Geo. Wittbold Co.

A visit to The Geo. Wittbold Co.'s Edgebrook plant was made last week and everything found in fine condition. In addition to their extensive nursery business this firm specializes in plants for florists' use as well as cut flowers for their two retail stores and the market. Some of their most attractive offerings for the holi-

days are ferns for dishes, Dracaena fragrans, Massangeana and terminalis, cibotium and a full line of palms and other decorative stock. Azaleas are selling rapidly. There are poinsettias fully eight feet tall, crowned with immense brilliant bracts, and the Christmas bulb stock will include some choice red tulips.

Poehlmann Bros. Co.

The Poehlmann Bros. Co. have now six orchid houses filled with plants. American Beauty houses are apparently going to be just in their prime for a big Christmas cut. 60,000 carnation plants are grown in excess of last year's stock and foreman Guy W. French counts Scarlet Glow as his most profitable red, a bench of which has bloomed continuously for two years. Mr. French says he does not feed his carnations till the days begin to lengthen and always picks close, with wide-awake stock as a result. Poehlmann Bros. Co. added thirteen 250 ft. houses this year and their carnation range is the largest in the world.

Chicago Carnation Company.

The Chicago Carnation Co. always welcomes visitors to Joliet, and a ticket is provided for anyone wishing to take the trip from Chicago. Twenty-one varieties of carnations are being grown for cut flowers this year. During its fourteen years' existence the new varieties introduced by the Chicago Carnation Co. have in several instances proved valuable permanent acquisitions to the carnation world. Washington, introduced last year, has given almost universal satisfaction, being of a richer color than Lawson and out-blooming that variety. It is

worthy of note that Washington was the only variety sent out last year that was exhibited in 100 lots at the recent fall shows and received first prize. A brilliant red seedling, The Herald, will be put upon the market next year. It has received a certificate wherever shown and took first prize at St. Louis. The firm is also testing twelve thousand seedlings.

Frank Oechslin.

Frank Oechslin's plant, to which he has added an entire new range of Foley construction and with Kroeschell heating, the past summer, is now one of the finest places devoted wholly to growing potted plants for the wholesale trade. Among his Christmas stock special notice was taken of Begonias Gloty of Cincinnati and Lonsdale which are as fine a lot of plants as one would wish to see. Three houses of cyclamen and two of poinsettias are in prime condition. Between two and three thousand azaleas will also soon be ready and with Primula obconica, erica, hyacinths and tulips an excellent variety for the holiday season is assured.

A False Report.

A false report was printed in the Chicago papers recently stating that The Chicago Flower Growers' Association had dissolved. No explanation can be given for the error unless it was a mistake in the copying from the records. On the date given the Association had added one name to the list of directors, and the Pleasant Springfield had evidently been reached by careless reporters.

The "Allied Industries."

Kroeschell Bros. Co. made a record

XMAS XXXX HOLLY XMAS

\$5.00 PER CASE

LAUREL WREATHS, per dozen..... \$2.50
and up.

LAUREL FESTOONING, per yard..... .06

BOXWOOD WREATHS, per dozen \$6.00 to 18.00

BUSH LAUREL50

PRINCESS PINE FESTOONING, per 100
yards, made all round..... 8.00

LEUCOTHOE SPRAYS, per 1000..... 7.50
per 100 1.00

DAGGER AND FANCY FERNS, per 1,000.. 1.25

NEW CROP GALAX, Bronze, per 1,000..... 1.50
Green, per 1,000..... 1.00

GREEN AND VIOLET FOIL, best quality,
per lb.17

GREEN MAGNOLIA LEAVES, extra large
hamper, per hamper 2.25

BRONZE MAGNOLIA LEAVES, per ham-
per 2.00

BRONZE AND GREEN GALAX, per 1,000.. 1.00

CUT BOXWOOD SPRAYS, Excellent Quality, \$15.00 per 100 pounds
IMMORTElLES, New Crop, Best Quality, All Colors

A Full Line of Florists' Supplies. All Kinds of Insecticides

Carnations in all Standard Varieties. Roses—Beauties, Richmonds, Marylands, The Two Killarneys, Brides and Bridesmaids.

**Seasonable
CUT
FLOWERS**

**Lilies, Orchids, Gardenias,
Lily of the Valley, Violets,
Adiantum, Asparagus, etc.**

HENRY M. ROBINSON & CO., BOSTON, MASS.

15 Province Street and 9 Chapman Place

Telephones—Main 2617-2618. Fort Hill 25290

ALL ORDERS FILLED PROMPTLY, PROPERLY AND TO YOUR SATISFACTION

for dispatch in filling orders which will be hard to beat. A telegram was received for a boiler in the morning and the same evening the boiler left for G. Butler & Son, Santa Cruz, Cal.

The Foley Mfg. Co. count this as the best year the firm has ever known. October sales broke all previous records extending over almost twenty-five years. From a comparatively small beginning this company has grown to huge proportions, occupying a large factory of its own. Everything that goes into greenhouse construction is there furnished.

Personal.

Mrs. Fred Sperry and little son are spending the winter in Titusville, Fla.

Gilbert & Haffe of Glen Ellyn were unfortunate in having their two new greenhouses blown down in the recent storm.

Frank Schramm of Arlington Heights is still confined to the house by a lingering illness, but nevertheless is sending some of the finest Klondyke pompon chrysanthemums to the Chicago market seen here this year.

Visitors—Mr. Pike, St. Charles, Ill.; Mr. Beyer, South Bend, Ind.; F. M. Smith, Cleveland, O.

Personal

F. M. Smith of Cleveland, O., has gone to California to spend the winter there.

Robert Spiers has resigned his position at Interlaken and will take charge of the greenhouses of Fred G. Crane at Dalton, Mass.

St. Louis visitors: Sprinkle-proof Segleman, representing Wertheimer Bros. of New York and Fred. Lempke of W. H. Barnard Co., Chicago.

At the annual election in Newport, R. I., on Dec. 5, James McLeish, the well-known fruit grower, was elected an alderman. He is worthy and well qualified and our hearty congratulations are extended.

W. J. Zartmann, superintendent of the Brooklyn, N. Y., park system, is a director of the recently incorporated Fairfield Landscape and Nurseries Company of New York City. The company is capitalized for \$20,000.

Council Bluffs, Iowa—A slight fire occurred at the Wilcox Greenhouses on East Pierce street, November 28.

A FINE WHOLESALE HOUSE FOR ST. LOUIS.

Charles A. Kuehn sprang a big surprise on the local trade when he announced that he would this week move into his own building which has been in course of erection for the past few months at 1312 Pine street. The new building is of three story and basement and is fitted out with all the latest improvements, such as wireless 'phones, cold storage, elevators, new office fixtures and new tables. The first floor will be used for the cut flower department, the second for supplies and the third for the wire factory. No one had ever dreamed that this new building was being specially built for a wholesale florist place. It will be the best and largest wholesale house of its kind in the country and that is saying a whole lot.

Florists' Refrigerators

Write us for catalogue and Prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you want it for display or only for storage.

McCray Refrigerator Co.,
353 Lake Street, Kendallville, Ind.

Mention Horticulture when you write.

THE BUYING SEASON

for **Florists' Holiday Material and Standard Winter Indispensable Goods** is now at its height. We have been, are now, and expect to continue

WORKING OVERTIME ON HOLIDAY ORDERS

Fall trade this season is far beyond any previous years and the quality and variety of the stock in our warerooms and coming in from abroad fully warrants it.

It would take pages innumerable to tell you all we have that you should stock up on. Our catalogue tells all this in detail with splendid half-tone illustrations. **Send for it and see.** Don't wait until the last minute to order. **DO IT NOW!**

HELP US AND WE WILL HELP YOU

H. BAYERSDORFER & CO.

THE Florist Supply House of America

1129 Arch Street, - - - PHILADELPHIA, PA.

News Notes

New Albany, Ind.—Anders Rasmussen, 1108 Vincennes street, is building a combination store, office and garage.

Roswell, N. M.—A branch nursery at Fifth and Main streets has been established by the Roswell Nursery Co.

Wyncote, Pa.—Ninety-one acres of land have been purchased by the Joseph Heacock Co., adjoining their farm at Roelofs Station.

Fitchburg, Mass.—George Leland, florist, of Keene, N. H., has purchased six acres of land on Rindge road and will erect a range of carnation houses.

Woodbine, Iowa—The business of the Woodbine Floral Co. is now owned by George Young. A. D. Curtis, the former manager, will continue with Mr. Young.

Canon City, Colo.—Acker Bros., who are building a greenhouse at Lincoln Park, are a new firm and they intend to grow vegetables principally. The firm is composed of W. H., E. B., and C. R. Acker.

Calla, Ohio—W. P. Mellot, who has just finished a 35 x 110 ft. vegetable house, has also built a 15 x 100 ft. tool shed and installed an irrigating system in the new house. He also intends to build a 35 x 110 cucumber house. He now has seven houses with an area of about 25,000 square feet.

Columbus, Ohio—The greenhouse to

be erected by the Ohio State University is to be a temporary structure, two of the old houses being torn down and part of the material used. They expect to have a new building devoted exclusively to horticulture and forestry and at that time will erect a range of ten or twelve up-to-date houses.

Stroudsburg, Pa.—The Sylvania Floral Co. is the name under which the business of J. Howard Stone is now conducted. The new firm is composed of J. Howard Stone, H. D. Stone, J. C. Wood and Samuel Stone. J. C. Wood and Mrs. Wood will have charge of the store at 505 Main street and J. H. Stone will superintend the greenhouses at 383 Scott street.

During Recess

New York Bowling Scores, Dec. 1, '11.

Ch'dwick, 212 208 196	Holt, 124 114 127
Young, 149 157 155	Nugent, 113 131 126
Kakuda, 187 167 187	Scott, 150 141 133
Snaw, 138 137 172	

Chicago Bowlers.

No league game was bowled by the Chicago florists last week and none will be this week, owing to the tournament now in progress and in which the florists took part. Two teams were entered, December 1st, and scored as follows:

CARNATIONS.		ORCHIDS.	
Lorman,	208 186 202	Foerst'r,	174 161 164
Schultz,	169 163 193	Huebner,	127 166 154
Balluff,	215 181 194	Graff,	133 140 163
Friedm'n,	177 177 138	J. Zeck,	196 213 174
Byers,	148 125 137		

Cut Flowers for Christmas

With new store, centrally located; improved facilities; more growers; ample supplies of all staples in cut flowers, Messrs Berger Bros. solicit your orders for Christmas trade.

ROSES VIOLETS ORCHIDS
CARNATIONS VALLEY GARDENIAS

Everything in season. Long Experience. Careful, conscientious service



Note Our
New Address

BERGER BROS., 140 North
Thirteenth St.
WHOLESALE FLORISTS Philadelphia, Pa.

Roses for the Christmas Holidays

BEAUTIES

We guarantee the quality to be equal to any that are offered in this market. The supply of our "Specials" is very large.

Killarney Maryland Richmond

They are in fine shape and at our prices good value. The Best have stems 30 inches long, and in all grades you can depend on us to get the best value to be had.

Boxwood, per 50 lb. crate, \$7.50

New Bronze Galax

THE LEO NIESSEN CO. Wholesale Florists
N. E. Cor. 12th and Race Sts. **Philadelphia**

THE BEST LETTERS

FOR
FLORIST'S
USE

R

THOSE
MADE
BY THE

Boston Florist Letter Co

66 PEARL ST., BOSTON

N. F. McCarthy, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock.

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

PETER REINBERG
WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

George B. Hart

WHOLESALE
FLORIST

24 Stone St., Rochester, N.Y.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention to shipping orders. Jobbers of Florists' Supplies, Seeds and Bulbs. Price list on application.

Phone Main 584. 316 Walnut St., Cincinnati

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	BOSTON Dec. 7	CHICAGO Dec. 5	ST. LOUIS Dec. 5	PHILA. Nov. 28
Ara. Beauty, Fancy and Special...	40.00 to 60.00	35.00 to 50.00	40.00 to 50.00	25.00 to 35.00
" Extra.....	20.00 to 30.00	10.00 to 30.00	25.00 to 30.00	15.00 to 20.00
" No. 1.....	8.00 to 12.00	20.00 to 30.00	10.00 to 15.00	8.00 to 12.50
" Lower grades.....	0.00 to 8.00	10.00 to 20.00	6.00 to 8.00	3.00 to 6.00
Richmond, Chateaux, Fancy & Spl..	6.00 to 12.00	6.00 to 10.00	5.00 to 8.00	5.00 to 8.00
" Lower grades.....	2.00 to 4.00	4.00 to 6.00	3.00 to 4.00	2.00 to 4.00
Killarney, Maryland, Fan. & Spl..	6.00 to 12.00	6.00 to 10.00	5.00 to 8.00	5.00 to 8.00
" Low grades.....	2.00 to 3.00	3.00 to 5.00	3.00 to 4.00	2.00 to 4.00
Bride, 'Maid,.....	2.00 to 8.00	3.00 to 8.00	4.00 to 5.00	2.00 to 6.00
Taft, Hillington, Ward.....	6.00 to 16.00	..... to .....	..... to	6.00 to 15.00
CARNATIONS, First Quality.....	3.00 to 4.00	4.00 to 5.00	3.00 to 4.00	2.00 to 4.00
" Ordinary.....	2.00 to 3.00	2.00 to 3.00	1.00 to 2.00	1.00 to 1.50
MISCELLANEOUS				
Cattleyas.....	40.00 to 50.00	35.00 to 50.00	40.00 to 50.00	50.00 to 75.00
" Lilies, Longiflorum.....	6.00 to 8.00	10.00 to 12.50	10.00 to 12.50	6.00 to 10.00
" Callas.....	8.00 to 12.00	..... to .....	..... to .....	..... to
" Lily of the Valley.....	2.00 to 4.00	2.00 to 5.00	3.00 to 4.00	2.00 to 4.00
" Narcis., Paper White.....	1.50 to 2.00	2.00 to 4.00	3.00 to 4.00	..... to 2.00
" Roman Hyacinths.....	1.00 to 2.00	..... to .....	..... to .....	..... to
" Chrysanthemums.....	6.00 to 12.00	5.00 to 30.00	15.00 to 25.00	5.00 to 15.00
" Violets.....	.75 to 1.00	1.00 to 1.25	.10 to .75	.25 to 1.50
" Stevia.....	..... to 1.50	..... to .....	..... to .....	..... to
" Mignonette.....	..... to .....	..... to	3.00 to 5.00	..... to
" Sweet Peas.....	.40 to .50	.50 to 1.00	.50 to .75	.35 to .75
" Gardenias.....	15.00 to 25.00	25.00 to 40.00	..... to	16.00 to 33.00
" Adiantum.....	1.00 to 1.25	..... to 1.00	1.00 to 1.25	..... to 1.00
" Smilax.....	12.00 to 15.00	12.00 to 15.00	12.00 to 15.00	15.00 to 20.00
" Aster, var. Plumosus, strings (100)..... to 50.00	50.00 to 75.00	35.00 to 50.00	40.00 to 50.00
" " & Sored (100).....	25.00 to 50.00	25.00 to 50.00	17.00 to 25.00	35.00 to 50.00

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Flower Market Reports

BOSTON After the fine record of Thanksgiving week this market has quieted down considerably and there is only a moderate demand. The principal activity around the wholesale marts is in the line of inquiries for prices and inspecting of holiday supplies. The receipts of all sorts of flowers are ample and in the majority of cases quality is excellent. This is particularly true of roses, carnations and violets. The roses of recent introduction are making by far the best showing in popularity, especially Radiance, Taft and Hillingdon. White roses have been too plentiful for the demand but the exit of the chrysanthemum will, in a measure, remedy this disparity. Carnations are of exceptional quality. Sweet peas move slowly. Of bulbous stock there is an abundance at moderate prices.

Chrysanthemums were the feature of the market Thanksgiving week, and there were enough to supply all. Bonnaftons were the heaviest in yellow, and being of medium size sold well, though there was little or no advance in price. Golden Wedding, Mrs. Jerome Jones and White Maud Dean were good, and shared in the demand. White carnations were seen in quantities, but the colored varieties sold best, especially Beacon and Winsor. Beauties were good and Richmonds were in better demand than other teas. There was plenty of other stock, such as violets, lily of the valley, mignonette, narcissus, sweet peas, Roman hyacinths, and all shared in the demand. The trade is thankful for the extra business which the holiday brought for the whole week, and the wholesaler is thankful that the market is back again to normal conditions.

CHICAGO The history of the market the past week is the history of Thanksgiving sales, for all the life of the trade centered in that day. Stock, which promised to be abundant enough for all reasonable demands, was held back, and prices quoted were higher than could hold. As a result every one had twice as much stock as he had planned for and prices on some things, noticeably carnations, were cut in two on Wednesday. Those who did not sell out then had so much on hand for the last of the week that prices went still lower. Those who had sold out clean on Wednesday counted themselves fortunate. Paper whites are not moving very fast, attributed to the presence

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Tel. 4591 Main

WHOLESALE FLOWER MARKETS.—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	CINCINNATI Nov. 21	DETROIT Nov. 28	BUFFALO Dec. 5	PITTSBURG Dec. 5
Am. Beauty, Fan. and Sp.	25.00 to 30.00	35.00 to 45.00	30.00 to 50.00	40.00 to 50.00
" Extra	20.00 to 25.00	25.00 to 35.00	20.00 to 30.00	25.00 to 30.00
" No. 1	15.00 to 20.00	15.00 to 25.00	10.00 to 12.00	15.00 to 20.00
" Lower grades	8.00 to 12.00	8.00 to 15.00	4.00 to 6.00	6.00 to 10.00
Richmond, Chateaux, Fan. & Spl.	6.00 to 8.00	8.00 to 10.00	8.00 to 10.00	8.00 to 10.00
" Lower Grades	3.00 to 6.00	6.00 to 8.00	4.00 to 6.00	4.00 to 6.00
Killarney, Maryland, Fan. & Spl.	6.00 to 8.00	8.00 to 10.00	8.00 to 10.00	8.00 to 10.00
" Low. Grades	3.00 to 6.00	4.00 to 8.00	4.00 to 6.00	4.00 to 6.00
Bride, 'Maid,	3.00 to 6.00	5.00 to 8.00	6.00 to 8.00	4.00 to 6.00
Taft, Hillingdon, Ward,	3.00 to 6.00	4.00 to 8.00	8.00 to 10.00	4.00 to 6.00
CARNATIONS, First Quality	3.00 to 4.00	3.00 to 4.00	3.00 to 3.50	3.00 to 4.00
Ordinary	1.50 to 2.00	2.00 to 3.00	2.00 to 2.50	1.00 to 2.00
MISCELLANEOUS				
Cattleyas	to 50.00	to 75.00	50.00 to 75.00	to 75.00
Lilies, Longiflorum	10.00 to 12.50	to 15.00	10.00 to 12.00	to 10.00
Callas	to	to	to	to
Lily of the Valley	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Narciss., Paper White	to	3.00 to 4.00	to 3.00	3.00 to 4.00
Roman Hyacinths	to	to	to	to
Chrysanthemums	4.00 to 25.00	15.00 to 25.00	6.00 to 25.00	6.00 to 25.00
Violets	to 1.00	to 1.25	.75 to 1.00	.75 to 1.25
Stevia	to	to	to	to
Mignonette	to	4.00 to 6.00	3.00 to 4.00	4.00 to 6.00
Sweet Peas	to .....	.75 to 1.00	.60 to .75	1.00 to 2.00
Gardenias	to	to	40.00 to 50.00	35.00 to 40.00
Adiantum	1.00 to 1.50	to 1.00	1.00 to 1.50	1.00 to 1.50
Smilax	12.50 to 15.00	to 15.00	to 15.00	to 15.00
Asparagus Plumosus, strings (100) ..	40.00 to 50.00	17.00 to 25.00	40.00 to 60.00	to 50.00
" & Soren (root bchs.)	25.00 to 35.00	17.00 to 25.00	25.00 to 35.00	to 50.00

of good white chrysanthemums still in the market. Roman hyacinths are in about the same condition. Callas are coming in and take well this week. There are still a great many chrysanthemums and prices are holding up well. Roses are plentiful, Beauties scarce. Violets more than equal the demand some days and clear up well others. Sweet peas are rapidly gaining in length of stem, and are of splendid color. Plenty of excellent stria is offered, and all kinds of green in first-class quality is to be had.

Prices now are such CINCINNATI as will delight the grower when he sees his return sheets, but the amount of offerings is not such as gladden the buyers, for the market is light on almost everything. The chrysanthemums are going out quickly and the other stock is not increasing in quantity as rapidly. As a consequence, the buyers must do some tall hustling to get their wants filled. Poinsettias are coming in nicely and promise to be factors in a very short time. The quantity of paper white narcissi is increasing. Roses and carnations, too, are increasing in numbers and also quality, but not as fast as the market demands. Among the others some very good Richmond are included. The supply of Beauties is more adequate than it was. Lilies find a good request. The same is true of both N. Y. double and single violets. In chrysanthemums practically only the largest and the small medium sizes are offered. Other intermediate grades are rendered conspicuous by their absence.

Stevia is beginning to sell fairly well. The green goods market shows a heavy call from out of town for ferns and leucothoe.

In view of the precarious business conditions of the past weeks which for reasons stated previously, did not come up to the standard set one year ago, Thanksgiving week was a great

(Continued on page 833)

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NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS

	Last Half of Week ending Dec. 2 1911	First Half of Week beginning Dec. 4 1911
American Beauty, Fancy and Special.....	40.00 to 60.00	40.00 to 60.00
" " Extra.....	30.00 to 40.00	30.00 to 40.00
" " No. 1.....	15.00 to 20.00	15.00 to 20.00
" " Lower Grades.....	4.00 to 8.00	4.00 to 6.00
Richmond, Chateaux, Extra and Special.....	15.00 to 20.00	12.00 to 20.00
" " Lower Grades.....	4.00 to 8.00	3.00 to 8.00
Killarney, My Maryland, Extra and Special.....	15.00 to 20.00	12.00 to 15.00
" " Lower Grades.....	4.00 to 8.00	4.00 to 6.00
Bride, Maid.....	3.00 to 15.00	3.00 to 15.00
Taft, Hillingdon, Ward.....	6.00 to 20.00	4.00 to 15.00
Carnations, First Quality.....	4.00 to 8.00	5.00 to 6.00
" " Ordinary.....	2.00 to 3.00	3.00 to 4.00

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Of blooming and fruiting plants we have **Cyclamen** of best quality ever seen in December; **Ericas**, **Lorraine Begonias**, **Camellias**, **Oranges**, **Jerusalem Cherries**, **Ardiasias**. In foliage plants All Palms, etc.; **Ivies** and **Holly Ferns**, **Table Ferns**, **Aspidistras**, **Phoenix Roebeleni** (elegant little specimens), **Araucarias**, **Buxus Pyramids**, **Scotti Ferns**, **Dracaenas**.

WOODROW & MARKETOS, Wholesale Plantsmen and Florists
41 WEST 28th ST., NEW YORK

Flower Market Reports.

(Continued from page 51)

surprise. All report Thanksgiving business a good percentage ahead of last year and we hope this may also come true with Christmas three weeks hence. The principal call was for chrysanthemums and this was enhanced by the high price of long stemmed roses in the wholesale market. At present chrysanthemums are practically gone but other flowers are coming in in very good quality and plenty of them.

The market closed **NEW YORK** very strong last week, after the Thanksgiving Day onslaught, the prices prevailing for the holiday being well maintained. Monday opened with a heavy snowfall, which, aided and abetted by a disastrous fire at the U. S. Express Co.'s stables in Jersey City, so crippled and delayed flower deliveries that much embarrassment and scurrying was inflicted on the wholesale district, and prices kept where they left off on Saturday. Chrysanthemums made an almost complete exit with the Thanksgiving Day cut, and an unwonted emptiness is noticeable everywhere. The result will doubtless be a good boost for the carnation, which is already selling at figures rarely touched at this season and seldom exceeded at any season. The quality is noticeably good. Roses are not too plentiful and probably will not be until the holiday crop shows up. Normal values are well maintained, and lower prices are not looked for in the near future. Of lily of the valley there is a fair supply, but much of it is of indifferent quality. Roman hyacinths abundant, paper white narcissi less so. Violets are uncertain and fluctuating and prices sag. Giant lilies are in quite heavy receipts—sometimes so much so that values are maintained only with much difficulty. Speciosum rubrum lilies are a much-prized feature of the market and bring good prices. In the orchid line there is a fair supply of cattleyas but oncidiums and other "spray" orchids are in insufficient quantity for the demand. An atmosphere of confident activity is gradually pervading the wholesale district, and the feeling is more optimistic than it has been for many moons. The retailers are not disposed to be jubilant though, and the "surplus speculators" are far from happy over the situation.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Dec. 2 1911		First Half of Week beginning Dec. 4 1911	
Cattleyas.....	..00	to 75.00	25.00	to 75.00
Dendrobium formosum.....	30.00	to 40.00	30.00	to 40.00
Phalaenopsis.....	20.00	to 25.00	20.00	to 25.00
Lilacs, Longiflorum.....	3.00	to 5.00	4.00	to 6.00
Callas.....	..00	to 8.00	..00	to 8.00
Lily of the Valley.....	1.00	to 2.00	1.00	to 2.00
Narcis, Paper White.....	1.00	to 1.50	1.00	to 1.50
Roman Hyacinths.....	..00	to 2.00	..00	to 2.00
Chrysanthemums.....	4.00	to 20.00	4.00	to 20.00
Violets.....	..50	to 1.00	..40	to .75
Stevia.....	1.00	to 1.50	1.00	to 1.50
Mignonette.....	..00	to ..00	..00	to ..00
Gardenias.....	12.00	to 35.00	20.00	to 35.00
Adiantum.....	..50	to .75	..50	to .75
Smilax.....	6.00	to 8.00	6.00	to 8.00
Asparagus Plumosus, strings.....	..00	to 35.00	..00	to 35.00
" & Spren. (too bch).....	15.00	to 25.00	15.00	to 25.00

PHILADELPHIA Thanksgiving week came fully up to the highest expectations here. Trading was brisk all along the line. There was plenty of stuff but not too much. No gluts. No sacrifices. A satisfactory market, such as we seldom see. In roses the medium grades were in rather best demand, the fancies and specials being a little harder to move. Carnations cleaned right up. Good chrysanthemums also sold well—and some of the fancies, like Chadwicks brought top-notch figures. Violets and lily of the valley were in brisk demand. Orchids are not so plentiful but enough of them to go around. About the only draggy item was the lily, of which there were liberal shipments but very little call. All other flowers are going well at the usual standard figures. Good crops in sight for Christmas trade. The prophets are figuring on rather moderate prices for the great festival.

ST. LOUIS The market was in fine condition the past week and, especially on Wednesday and Thursday it was crowded up with extra fine stock in everything seasonable and the wholesalers had plenty of orders on hand for both local and shipping to consume nearly all of it. The local retailers all had a splendid business for Thanksgiving Day. Prices were not so high considering the quality of the stock. The cut being so heavy last week much is expected for the early part of this week and prices will remain about as they were last week—some fine Beauties are coming in but not any too many. Smaller roses are more plentiful in all grades. Violets sold fine although many more were needed

than expected. Chrysanthemums are on the down grade and only few are coming in now.

WASHINGTON The Thanksgiving Day period proved to be very successful with the trade in this city, and sales for the entire week were very satisfactory. Prices were good; nobody was trying to give their stock away and there was a healthy demand for everything. Roses and chrysanthemums were, of course, the top-notchers as regards quantities disposed of. Roses are coming in good, and are cleaning up to advantage. Carnations of A1 quality are scarce, the best grades bringing about \$1.00, but there are so few of them that the demand exceeds the supply. Lily of the valley and narcissus are in better demand this week than last, but double violets are moving slower than would be expected. These latter were quoted during the holiday time at \$1.25 to \$1.50, but there was no extra demand for them. The demand for orchids was quite good. On Sunday last the ice boxes looked pretty well cleaned out, and it is expected that this month of December will prove to be a record breaker and the year finish up in fine style.

PHILADELPHIA NOTES.

Professor L. C. Corbett of the U. S. Department of Agriculture was the lecturer at the Michell course on Monday, the 4th inst.

Visitors:—N. B. Keeney, Le Roy, N. Y.; Professor L. C. Corbett, Washington, D. C.; H. L. Holmes, Harrisburg, Pa.; Martin C. Ribsam, Trenton, N. J.; A. and G. Rosbach, Piquerton, N. J.

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Of Interest to Retail Florists

Lawrence, Mass.—W. F. Regan, florist, 504 Essex street, was married on November 30 to Miss Mary A. I. Maynard.

Washington, D. C.—A. O. C. Oehmler, secretary of the Florists' Club of Washington, is a candidate for election as commander of Lincoln Camp of the Sons of Veterans. He has but one opponent, the present incumbent, but the fight is a close one, and it is not wise to bet on either contestant.

Z. D. Blackstone is showing some very attractive combination baskets of fruit and flowers. A corsage bouquet "like Grandma used to wear" proved to be a decided novelty. This was on display in his window, and consisted of

STEAMER DEPARTURES

American.

New York, N. Y.—S'hampton..Dec. 16
Cunard.

Franconia, Boston-Liverpool..Dec. 12
Carmania, N. Y.-Liverpool...Dec. 13
Mauretania, N. Y.-Liverpool..Dec. 16

Holland-America.

New Amst'd'm, N. Y.-Rot'd'm..Dec. 12
Noordam, N. Y.-Rotterdam...Dec. 19

Hamburg-American.

K. A. Victoria, N. Y.-Hamb'rg..Dec. 12
North German Lloyd.

K'p'z Wilhelm, N. Y.-Bremen..Dec. 14
Red Star.

Zeeland, N. Y.-Antwerp.....Dec. 13
White Star.

Canopic, Boston-Mediterr'n....Dec. 12
Baltic, N. Y.-Liverpool.....Dec. 14
Oceanic, N. Y.-Southampton..Dec. 16

pompons, violets, narcissi and yellow roses with violet and yellow ribbon. It was something that had not been seen here for some time.

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Providence, R. I.—T. H. McAdams, 1511 Broad street.

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913 GRAND AVE., KANSAS CITY, MO.

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ALL ORDERS GIVEN PROMPT AND CAREFUL ATTENTION

WILL DELIVER IN BOSTON

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37-43 BROMFIELD STREET

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your retail orders to

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194 Boylston Street, Boston

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Albany, N. Y.—The Rosery, 76 Maiden Lane.
Boston—Thos. F. Galvin, 124 Tremont St.
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New York—Alex. McConnell, 611 5th Ave.

New York—Young & Nugent, 42 W. 28th.

New York—Dards, N. E. cor. 44th St.

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Littlefield

FLORIST

407 & 409 Main St.
Worcester, Mass.

Garden and Grass Seeds,

With a choice collection of Flower Roots, & Seeds,

Just Imported.

MINTON COLLINS, most respectfully informs the ladies and gentlemen of Virginia, that he has just received by the ships *Grand Duke*, and *Birmingham*, from London, a fresh assortment of the following SEEDS & FLOWER ROOTS, which he is now selling for ready money, at his Seed and Flower store (ONLY) north side of the Main Street, between the Post-office, and the Bridge, where Country Storekeepers may be supplied with an assortment, upon moderate terms.

GRASS SEEDS &c.

Red Clover, cheap by the quantity.
White clover seed
Lucern, do.
Rye-grass, do.
Barnet, do.

PEASE & BEANS,

Early Frame pease, do.
Golden hooper, do.
Charlton, do.
Dwarf Marston, do.
Spanish Marston, do.
Large Windsor Beans, do.
Long podded, do.
Canterbury Dwarf, do.
Snap, do.

Specimen French do.

CABBAGE SEEDS,

Early and Late York Cabbage.
Early Sugar loaf do.
Late, do do.
Early Butterhead, do.
Late, do.
Large Madeira, do.
Green curled Savoy, do.
Yellow curled do.
Large Scotch Cabbage, do.
do. winter do.
do. Anwick, do.
Brown cole, do.
Turnip Rooted, do.
Fed Cab. to pickle, do.
Early purple broccoli, do.
do. Green, do.

White Cauliflowr, do.
Early Cauliflowr, do.
Late, do.

White cab. Betts's, do.
Green, do.

Large romanesco, do.
do. Cabbage, do.

Brown Dutch, do.
White curled Indive, do.

Cardoon, do. | bet.
Long prickley Cucumr, do.

Short, do do.
Gorkin to pickle, do.

Portugal Onion, do.
White silver, do.

Do. round, do.
Solid Celery, do.

Early summer Turnip, do.
do. Dutch, do.

do. Hanover, do.
Large (fall) Norfolk do.

Early French Radish, do.
Short-top, do.

White Turnep, do.
Large orange Carrot, do.

do. Red, do.
do. Parsnip, do.

Mangle Wurzel, or, do.
root of Scarcity, do.

Red Beet, do.
White do, do.

Large Nipperston, do.
Salsify, do.

Asparagus, do.
Globe Artichoke, do.

Fine cantaloup Melon, do.
do. Italian, do.

Isard's sprouts, do.

Curled Parsley, do.
Garden Cress, do.

Double pepper Grass, do.
White Mustard, do.

Roman Spillage, do.
FLOWER ROOTS,

Red, White, & Blue, do.
Hyacinths, do.

Pollanthus Narcissus, do.
Double white, do.

Pursh's Iris, do.
Ranunculus, do.

Mixed Tulips, do.
Tulip Roses, do.

Bell-donna Lilies, do.
Lilies of the Valley, do.

Mixed pure, and yellow Crocus, do.

An assortment of white glass bottles, and flower pots, &c.

FLOWER SEED, do.
Widow wall netter, do.

Seed, do.

Auricula, do.
Double Balsam, do.

Geranium, do.
Turkey V. let, do.

Charlotte Pink, do.
Stock July flower, do.

&c. &c. other sorts too tedious to mention.

Mo's, Roses, do.
Rock, do.

Campana, do.
Campana, do.

Campana, do.
Campana, do.

AS M. Collins desires to express his thanks to the friends of the seed trade, who have been so kind as to supply him with the material for this catalogue, he is glad to say that the seed trade has been "going some" in the past hundred years.

RICHMOND, Va. 1811.

AN ANTIQUE SEED CATALOGUE.

This is a reproduction of what we believe to be one of the oldest American seed catalogues. It is now in the possession of W. A. Manda, who has given us permission to copy it, believing that the seedsmen of the present day will be interested in its contents. Judging from the catalogues now issued, the seed trade has been "going some" in the past hundred years.

Boddington's Quality Flower Seeds for Florists

SELECTED SEEDS, SUCCESSFULLY SOWN, SECURE SURE, SAFE AND SERVICEABLE SATISFACTION.

Remember you may deduct 5 per cent. if cash accompanies order.

AGERATUM

	Trade pkt.	Oz.
Mexicanum album.....	\$0.10	\$0.20
Blue Perfection.....	.15	.50
Imperial Dwarf Blue.....	.10	.25
Imperial Dwarf White.....	.10	.25
Little Dorrit.....	.15	.50
Swanley Blue.....	.10	.25
Little Blue Star, trade pkt. 50c., 3 pkts. for \$1.25.		

BODDINGTON'S MAUI BEAUTY
Large Mauve flowers; dwarf, compact, very free flowering. A unique variety. Trade pkt. 10c., oz. 50c.

ALYSSUM

White Gem.

A grand improvement on Little Gem, being much more compact; grand for bedding. Trade pkt. 25c., oz. \$1.00.

	Trade pkt.	Oz.
Little Gem, dwarf, best for pots.....	\$0.10	\$0.30 \$1.00
Carpet of Snow, for hanging baskets and borders.....	10	.40 1.25
Sweet (the old variety).....	10	.15 .50

ASTERS

BODDINGTON'S Asters are Famous.
Write for catalogue of other varieties and prices.

	Trade pkt.	1/4 oz.	Oz.
Aster Early Wonder, white.....	\$0.25	\$0.75	\$2.00
Aster Early Wonder, pink.....	.25	.75	2.00

QUEEN OF THE MARKET ASTERS.

Boddington's Extra Early.

	Trade pkt.	Oz.
Pink.....	\$0.20	\$0.60
Light Blue.....	.20	.60
White.....	.20	.60
Dark Blue.....	.20	.60
Crimson.....	.20	.60
Rose.....	.20	.60
Flesh-Color.....	.20	.60
Light Rose.....	.20	.60
Scarlet.....	.20	.60
Red-Lilac.....	.20	.60
Finest Mixed.....	.20	.60

BRANCHING ASTERS

Vick's Branching.

	Trade pkt.	1/4 oz.	Oz.
Crimson.....	\$0.25	\$0.35	\$1.00
White.....	.25	.35	1.00
Purple.....	.25	.35	1.00
Violet.....	.25	.35	1.00
Rose.....	.25	.35	1.00

Carlson's Branching.

Lavender.....	\$0.25	\$0.35	\$1.00
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Sample's Branching.

Shell-Pink.....	\$0.25	\$0.35	\$1.00
Upright White.....	.25	.35	1.00

	Trade pkt.	1/4 oz.	Oz.
Vick's New Early Branching, white.....	\$0.25	\$0.75	\$2.00
Vick's New Early Branching, pink.....	.25	.75	2.00

BODDINGTON'S GIANT

ANTIRRHINUM

(Height, 3 Feet.)

	Trade pkt.	Oz.
Coral-Red, striking color.....	\$0.20	\$0.60
Carmine, splendid color.....	.20	.60
Daybreak, light pink.....	.20	.60
Brilliant, scarlet, golden yellow and white.....	.20	.60
Crescia, dark red.....	.20	.60
Queen Victoria, pure white.....	.25	1.00
Luteum, yellow.....	.20	.60
Firefly, scarlet.....	.20	.60
Romeo, deep rose.....	.20	.60
Lilacinum, beautiful blue.....	.20	.60
Mixed.....	.20	.50

BEGONIA

	Trade pkt.	Oz.
Boddington's Crimson Bedder.....	\$0.50	
Erfordii, carmine.....	.25	

BEGONI Continued

Semperflorens.....	.25	
Vernon grandiflora, 1 1/2 ft. A fine bedding sort, with rich red flowers and glossy bronze-veined foliage.....	.25	

CINERARIA

Cineraria maritima, 1 1/2 ft. Trade pkt 10c., oz. 25c.		
Cineraria maritima "Diamond," A vast improvement over the above. Foliage very white, leaves much serrated. Trade pkt. 50c., \$2.00 per oz.		

CENTAUREA

	Trade pkt.	Oz.
Candidissima.....	\$0.25	\$1.50
Gymnocarpa.....	.15	.50

GREVILLEA ROBUSTA

	Trade pkt.	Oz.
(Silk Oak).....	\$0.10	\$0.75

COBAEA

	Trade pkt.	Oz.
Scandens, H. P. Blue.....	\$0.10	\$0.30
Alba, White.....	.20	.75

LOBELIA

	Trade pkt.	Oz.
Erinus gracilis, trailing; light blue.....	\$0.15	\$0.50
Erinus speciosa, deep blue; trailing.....	.15	.75
Crystal Palace compacta.....	.25	2.50
Emperor William compacta.....	.25	1.00

MIGNONETTE

Boddington's Majesty. The finest of all fancy varieties of Mignonette for under glass or pot culture. Seeds saved from select pikes under glass. Trade pkt. 60c., 1/4 oz. \$1.00; per oz. \$7.50.

MYOSOTIS

	Trade pkt.	Oz.
Eliza Farnrobert, excellent for pots, blue.....	\$0.10	\$1.00
Palustris Semperflorens, ever-blooming.....	.25	2.00

PETUNIAS

Boddington's Quality Double Fringed.
Our double Petunias have reached the highest standard of excellence, and may be confidently relied on to produce a large proportion of double flowers of exquisite beauty and great size. 1/2 trade pkt. 60c., trade pkt. \$1.00.

Boddington's Snowball, Double. The finest double; pure white, 1/2 trade pkt. 60c., trade pkt. \$1.00.

BODDINGTON'S CENTURY PRIZE.

Gigantic single flower having the edges deeply ruffled or fluted; fine substance, with deep white thrills. Trade pkt. 60c., trade pkt. \$1.00.

	Trade pkt.	Oz.
Boddington's Bar Harbor Beauty, Single. Color a beautiful rose.....	\$0.25	
Boddington's Ruffled Giants. A grand selection of single fringed Petunias.....	.25	
Boddington's Inimitable Dwarf Compact Hybrids, Single.....	.25	
Emperor, Single. Large flowers, distinct in form, color and marking.....	.25	
Howard's Star, Ruffled, white.....	.25	
Rose Morn, Single, fringed, red.....	.25	
Snowstorm, Pure white.....	.25	
Hybrids, Single Mixed.....	.25	

PYRETHRUM

	Trade pkt.	Oz.
Aureum et albidum.....	\$0.10	
Selaginoides, foliage.....	.25	

SHAM ROCK

	Trade pkt.	Oz.
(True Irish). Small leaved 1/2 trade 25c.....	\$0.40	\$1.00

SALVIA

	Trade pkt.	Oz.
Clara Bedman (Bonfire). 1 1/2 feet.....	\$0.25	\$2.00
Splendens (Scarlet Sage).....	.25	1.50
Splendens, Ball of Fire. Very dwarf and early.....	.25	3.50
Splendens aucubaefolia (Silver-spotted).....	.25	2.50
Splendens Carminea (new). Splendid rose carmine Dwarf.....	.50	
Splendens gigantea.....	.50	
Splendens pendula. Drooping spikes.....	.25	2.00
Splendens, Zurich, 1 1/2 oz. \$1.75.....	.25	6.00

STOCKS

Boddington's Quality Large-Flowering German Ten-Weeks Stocks.

	Trade pkt.	Oz.
Brilliant Rose.....	\$0.25	
Canary-Yellow.....	.25	
Crimson.....	.25	
Dark Blood-Red.....	.25	
" Violet-Blue.....	.25	
" Purple.....	.25	
Flesh Color.....	.25	
Light Blue.....	.25	
Scarlet.....	.25	
Snow-White.....	.25	
Fine Mixed.....	.25	

Boddington's Quality Cut-and-Come-Again.

These splendid Stocks will flower continuously through the summer if sown early.

	Trade pkt.	Oz.
Princess Alice, white.....	\$0.25	
Apple Blossom, light pink.....	.25	
Peach Blossom, soft pink.....	.25	
Chamoise.....	.25	
Bridesmaid, rose.....	.25	
Canary, yellow.....	.25	
Flamingo, blood red.....	.25	
Blue Jay, light blue.....	.25	
Violet, dark blue.....	.25	
Carmine, crimson.....	.25	

GIANT PERFECTION

White.

Pyramidal long spikes of large double flowers, splendid for glass culture and for florists' purposes. Trade pkt. 25c., 1/4 oz. \$1.25, 1/2 oz. \$2.00, oz. \$3.75.

QUALITY VERBENAS

	Trade pkt.	Oz.
Boddington's Mammoth Hybrids. A strain of very vigorous growth, producing trusses of large flowers of brilliant and varied colors.....	\$0.25	\$1.25
Boddington's Mammoth Auricula-flowered. Large flowers with distinct white eye.....	.25	1.25
Boddington's Mammoth Blue.....	.25	1.25
Boddington's Mammoth Pink.....	.25	1.25
Boddington's Mammoth Scarlet Defiance. The most scarlet sort.....	.25	1.25
Boddington's White (Candidissima). Pure white.....	.25	
Boddington's Striped. Many colors.....	.25	1.25
Lemon (Aloysia eltioidora).....	.25	

VINCA

	Trade pkt.	Oz.
Alba, white.....	\$0.10	\$0.75
Rosea, rose.....	.10	
Rosea alba, rose and white.....	.10	
Mixed.....	.10	

We are headquarters for Sweet Peas of every description. Our Almanac and Catalogue of Quality Seeds and Bulbs contains 52 pages of Seeds and Bulbs you need. Write for it today—a postcard will fetch it.

ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th STREET
NEW YORK CITY

Seed Trade

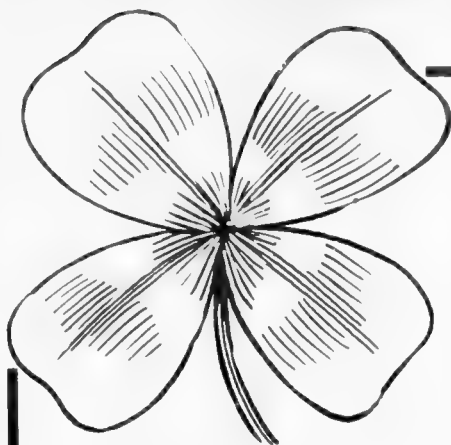
Corn Damage.

It seems that the crop troubles of 1911 are not yet ended for the seed grower or seedsman. We have several times reported damage to late varieties of sweet corn, but the extent of this damage we could not ascertain, and, in fact, do not really know the extent of it at this time. It is known, however, to be very serious, estimates varying from twenty-five to fifty per cent. From the latest information we have, it seems that the damage has not been confined to sweet corn, but that a large percentage of the field corn, grown in Ohio, has suffered from what is known as "ear rot." This has been so serious that the papers of the state, and particularly those devoted to the agricultural interests, have given it a good deal of attention, and some have said that it was a national calamity. While probably it is not serious enough to be thus characterized, it means a considerable loss to the farmers of the state. Some of the Ohio papers have predicted dollar field corn as a result of the trouble referred to.

We reported some time ago that conditions affecting the corn crop of Connecticut were generally favorable, and the latest reports we have do not change this information. It must be remembered, however, that the Connecticut crop is but a small factor of the total, and it is further rumored that most of the Connecticut dealers are nearly or quite sold up and not in shape to accept much more business on this year's crop. In their eagerness to do business, they started prices at too low a figure and could not understand why they received so many orders for corn from the west. It finally dawned on them why, but it was then too late to be of any material benefit, as most of them had already sold about all available surplus not required for their own immediate trade. At this time it really looks as if prices would rule considerably higher for good, sound seed of strong germination than seemed probable a month or two ago. Many of the large wholesale seed houses are selling corn very cautiously, and in rather limited quantities only, being fearful that the damage may prove even more serious than now seems probable.

Pea and Bean Contract Prices.

Contracting prices for peas and beans of the 1912 crop have been issued by most of the growers, and are certainly at a much higher level than ever before in the history of the trade. At least, this may be said of peas, if not of beans. There seems to be considerable difference in prices on beans, one or two growers advancing their prices twenty-five to fifty cents per bushel over last year, while the majority have made only very slight advances. Why there should be this difference has been explained by one of the large growing concerns, which is in effect that at the prices ruling the past year the cost was such that they were barely able to break even, while should the crop be a very light one, they would most certainly be losers. It has seemed that for several years, bean prices have not kept pace with the advance in peas, and probably there is not justification for as large advances. But how growers can con-



TRUE IRISH SHAMROCK

Sown now will be in excellent condition for St. Patrick's Day. Only fresh seed will germinate. Fresh crop seeds now ready.

Trade Packet, 25c. 75c. Per Ounce

HENRY F. MICHELL Co.

518 Market Street, - PHILADELPHIA

SEEDS, PLANTS, BULBS

All seasonable kinds of best quality

Special prices on large lots

JAMES VICK'S SONS,

Seedsman

ROCHESTER, N. Y.

SPECIAL TO THE TRADE

We make a specialty of growing all kinds of Vegetable Plants for the Seed and Plant Trade, including the best varieties of Forcing Tomatoes, Asparagus, Cauliflower, Egg Plants, Peppers, Parsley, Lettuce, Cabbage, etc. Special prices made on large orders for Spring delivery. Let us know your wants. We have a fine lot of Tomato Plants, transplanted and potted: Comet, Lorillard, Bonney Best, Suttons' A-1, Suttons' Abundance and Winter Beauty, also Extra Early Erfurt and Snowball Cauliflower. FOX-HALL FARM, R. F. D. No. 2, Norfolk, Va.

FRENCH VEGETABLE SEEDS

Lettuce, Imported Big Boston; Forcing Lettuce (black seeded); Radish, Scarlet Globe, White Tipped Scarlet Turnip; Beet, Crosby; Cabbage, Early Flat and Savoy; Celery, Self-Blanching and Green; Beet, Spinach, Endive, etc., the same varieties as the market gardeners of Paris use.

BEAULIEU, Woodhaven, N. Y.

tinue to produce beans at the prices of five and ten years ago is quite surprising, and it looks much as if they were selling beans at low figures to attract business in other lines, as certainly they cannot make a reasonable profit on their investment in beans.

Brokers' Pea Offers.

Judging by offers of pea seed by western brokers, it would seem on the face of it that there is more in the

(Continued on page 841)

J. BOLGIANO & SON

Wholesale Field and Garden Seeds

ESTABLISHED 1818

Write for our low prices

**LIGHT, PRATT & ELICOTT STS.,
BALTIMORE, MD.**

FOR GOLD FRAMES

STRAW MATS

6 x 6, - \$1.50, \$17.00 doz.

BURLAP MATS

6 1/4 x 6 1/4, \$1.20, \$14.00 doz.

**WM. ELLIOTT & SONS,
42 Vesey St., New York**

TOMATO SEED

BEST STOCKS. ALL VARIETIES.

The Haven Seed Co.

Growers for Wholesale Trade Only.
SANTA ANA, CALIFORNIA.

ONION SETS

HEADQUARTERS FOR THE EAST. We carry large stocks of choice quality at both our Orange, Conn., and New York City houses. Full line all varieties of Garden and Flower Seeds. Trade List on application.

D. WOODRUFF & SONS,

82 Dey Street,
Orange, Conn. New York City.

A PLANT NOVELTY

That everybody will want

Solanum Capsicastrum Melvini

The best introduction in Holiday Plants, for years. A money-maker. Plant dwarf, bushy, 12 to 15 in. high, covered with brilliant scarlet berries, conical shaped and carried well above the dark shining foliage.

Awarded First Class Certificate by Mass. Horticultural Society and Gardeners' and Florists' Club of Boston.

Sow seeds in Jan. or Feb. for next Christmas. Ten packets, \$1.50; 100 pkts., \$12.50.

THOMAS J. GREY CO.

32 South Market St., Boston



PEAS, BEANS, RADISH } Growers for the Trade
and all Garden Seeds

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

ONION SETS

Write for Prices



Wholesale Growers of
Onion, Lettuce, Sweet Peas
and other California Specialties

C. C. MORSE & CO.

48 Jackson St. SAN FRANCISCO, CAL.

BRIDGEMAN'S SEED WAREHOUSE
RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

CANE STAKES

AMERICAN, bundle 500, \$3.00; 1000, \$5.50.
BAMBOO from Japan, 100, 65c.; 1000, \$5.50.

The W. W. Barnard Co.

108-110 W. Kinzie St., CHICAGO

NEW CROP SEEDS ARE IN

(Less 10 per cent. if cash is sent with order.)

Asparagus Plumosus Nanus, greenhouse grown, \$4.00 per 1000 seeds
Salvia Bonfire, 25c. Tr. Pkt. \$2.00 or
" Sp'endens, 15c. " " \$1.50 "
Verbena Mam. choice mixed 15c. " " \$1.50 "

ROMAN J. IRWIN
3097 Broadway, NEW YORK, N. Y.

PRINTING

Fruitmen, Horticulturists and Poultrymen should get their printing done by specialists. Write for prices to THE REX CO., Harrisburg, Pa.



FRESH CROP ASPARAGUS PLUMOSUS NANUS SEED

(Greenhouse grown.) Due in December. We are now booking orders for both greenhouse and outside grown Asparagus Plumosus Seed. Write us.

S. S. SKIDELSKY & CO.
1215 Betz Bldg. Philadelphia.

Burpee's Seeds PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

COMPLETE STOCK FRENCH AND DUTCH BULBS

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

Farquhar's Flower Seeds for The Florist

Write for our Wholesale
Catalogue

R. & J. FARQUHAR & CO.
Boston, Mass.

Established 1820

Thorburn's Bulbs

We offer high grade stock of the following while unsold:

LILIUM HARRISII, 7-9 inches in circum. at \$17.00 per case of 250 bulbs.
WHITE ROMAN HYACINTHS, 12-15 cts., at \$18.00 per 1000.
PAPER WHITE GRANDIFLORUS NANCISSUS, at \$8.00 per 1000.

Cash with order.

Only a limited supply left so speak quickly.

J. M. THORBURN & CO.
33 Barclay Street
NEW YORK

...THE...

J. C. Robinson Seed Co. Waterloo, Neb.

Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin Seed; Sugar, Flint and Field Seed Corns.

Braslan Seed Growers Co. Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

COLDWELL LAWN MOWERS Hand—Horse—Motor

Known All Over the World
Catalogue on Request.

NEWBURGH, N. Y.

BURPEE'S BLUE LIST FOR 1912

¶ The most complete Catalog of Seeds for Florists and Market Gardeners will be ready for distribution, January First.

¶ Burpee's Blue List is the title we have used for many years past for our Wholesale Price List for Florists and Market Gardeners. It is a book of 148 pages and contains all information necessary for either professional Florists or Market Gardeners to aid them in selecting varieties best adapted for their purpose.

¶ As is well known we have for years maintained at FORD-HOOK FARMS the largest trial grounds in America and our work there is now supplemented by trials of special varieties at our SUNNYBROOK FARM in southern New Jersey and our FLORADALE FARM in California.

¶ If you are a customer of ours and entitled to Wholesale prices a copy of **Burpee's Blue List** for 1912 will be sent you as soon as published—but if you have never tried **Burpee's Seeds** and are seeking **Quality Seeds** you should write to-day requesting a copy of this most complete seed catalog for Florists and Market Gardeners.

W. ATLEE BURPEE & COMPANY

Specialists in Seeds

PHILADELPHIA, PA.

B. & A. SPECIALTIES

PALMS, BAY TREES, BOXWOOD AND HARDY HERBACEOUS
PLANTS, EVERGREENS, ROSES, RHODODENDRONS
VINES AND CLIMBERS, AUTUMN BULBS
AND ROOTS, CONIFERS, PINES.

Florists are always welcome visitors to our nurseries. We are only a few minutes from New York City; Carlton Hill Station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS

Nurserymen and Florists.

Rutherford, N. J.

HARDY NORTHERN GROWN NURSERY STOCK

WE GROW EVERYTHING FOR PLANTING THE HOME GROUNDS
A GENERAL ASSORTMENT OF

Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc., Etc.

Our Illustrated and descriptive Catalogue for the asking

THE BAY STATE NURSERIES,

North Abington, Mass.

Seed Trade

(Continued from page 835)

country than is generally believed, but a careful inspection of one or two offers reveals the fact that in the main the same lots are being offered over and over again. The plan of these brokers is to issue a circular bearing a certain date and quoting various lots by number. Failing to effect sales a new circular is issued offering the same lots under new numbers. It is a clever scheme, but we think possible buyers are "catching on."

An Assignment.

We have just been informed that the Nott Seed Company of Troy has made an assignment and is winding up its affairs. We have not learned what its obligations are, nor what percentage it will pay on its indebtedness. We had occasion to refer to this concern not long ago, stating that it had moved into new and much superior quarters, and the president of the company, Mr. P. K. Nott, stated that the concern was in better financial shape than at any time since its organization. As its business was almost exclusively retail and not very extensive, its failure is not likely to cause much stir. In fact, comparatively few know of the fact. Mr. Nott, we understand, is open for a position with anyone desiring a first-class man to take charge of extensive trial grounds, as he is reported to be a high-class hybridizer and plant breeder. Letters addressed to Troy, New York, will reach him.

Proposals for Government Supplies.

No. 363. Vegetable and flower seeds. —The United States Department of Agriculture desires quotations for furnishing standard varieties of vegetable and flower seed from surplus stocks or under growing contract for the 1912-13 congressional seed distribution. Approximately 1,200,000 pounds of vegetable and 50,000 pounds of flower seed will be required. Bids will be opened by the Board of Awards at 2 P. M., January 9, 1912. Copies of specifications can be obtained from the Office of Seed Distribution, Bureau of Plant Industry, Department of Agriculture, Washington, D. C.

JOHN T. WITHERS, Inc.

Landscape Architect and Forester

1 Montgomery St., JERSEY CITY, N. J.

Tree Renovation by Expert Operators.
Stereopticon lectures on Horticulture and Arboriculture.

HOLLAND NURSERIES

Best Hardy Rhododendrons,
Azaleas, Conifers, Clematis,
H. P. Roses, Shrubs, and Herba-
ceous Plants.

P. OIJWERKERK, 315 Jane St., Weehawken N. J.
P. O. No. 1, Hoboken, N. J.

Nursery Stock

Fruit and Ornamental Trees, Shrubs,
Small Fruits, Clematis, Evergreens
and Roses.

Write for Trade List.

W. & T. SMITH COMPANY, Geneva, N. Y.

Notes.

Albert McCullough, Cincinnati, has returned from his hunting trip to Florida.

Mitchell, S. D.—An office building 50 x 70 is being built by the Dakota Improved Seed Co. A warehouse 70 x 120 is in prospect for next year.

In the retirement of Thomas J. Grey, a well-known and popular member of the seed trade of Boston will be missed. Mr. Grey has withdrawn from active connection with the company which bears his name although he still retains his interest in the corporation. His home address is 19 Jefferson ave., Chelsea. We hope he will enjoy to the fullest extent his well earned rest.

The announcement is made under date of December 1, 1911, that Henry Nungesser has resigned as president of Henry Nungesser & Co., Hoboken, N. J., and New York City, and has disposed of his interest in the firm. Mr. Nungesser bespeaks for the company the same generous support extended by the trade in the past. The firm was established in 1874 and incorporated in 1899.

Horseshoe Brand Bulbs for immediate shipment

FORMOSUM

6/7	\$10.00	per case.....	350	bulbs
6/8	15.00	" " ".....	370	"
7/9	18.00	" " ".....	300	"

GIGANTEUM

6/8	\$20.00	per case.....	400	bulbs
7/8	21.00	" " ".....	350	"
7/9	22.50	" " ".....	300	"
8/10	25.00	" " ".....	250	"
9/10	24.00	" " ".....	200	"
10/11	22.50	" " ".....	150	"
11/12	22.00	" " ".....	130	"

ALL f. o. b. NEW YORK

Terms 3 months or 5% for cash with order. Cold Storage deliveries at any time during the season. Fall deliveries of advance orders for Japan Lily Bulbs can be made f. o. b. New York, Pittsburg, Chicago, Cincinnati, Memphis and Toronto. Deliveries in other cities can be made in lots of 250 cases, upwards.

Write us



Ralph M. Ward & Co.

12 West Broadway

NEW YORK CITY

Not How Cheap
But How Good

LATE DUG FORMOSUM

Fine Large Bulbs Thoroughly Ripened

	Per 100	1000
7-9 in. (250 bulbs to case)	\$7.50	\$65.00
9-10 in. (200 " " ")	\$11.00	\$100.00

A. HENDERSON & CO.

30 E. RANDOLPH ST., CHICAGO

Headquarters for

SUMMER FLOWERING BULBS

Send for Trade List

John Lewis Childs

Flower - - LONG ISLAND, N. Y.

Gladioli, Lilies, Iris, Madeira
Vines, Cinnamon Vines

and other Summer Flowering Bulbs

Send for price lists

E. S. MILLER

Wading River, - - N. Y.

LOECHNER & CO.

JAPANESE LILIES
LILY OF THE VALLEY PIPS
PALMS, AZALEAS, &c

11 Warren Street, New York, N. Y.

Write for quotation.

HERBERT, ATCO, N. J.

DAHLIAS Every Day in the Year

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one-cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

ADIANTUM HYBRIDUM

Red Rose Nurseries, Center Square, Pa.
For page see List of Advertisers.

AMPELOPSIS

Ampelopsis Veitchii, 1-yr. plants, \$3.00 per 100; \$25.00 per 1000.
Wm. Eschrich Co., North Milwaukee, Wis.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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Godfrey Aschmann, 1012 Ontario St., Philadelphia.
For page see List of Advertisers.

ASPARAGUS

Asparagus Plumosus, extra fine 3-inch stuff, \$5.00 per 100, \$45.00 per 1000. P. Rieth, Downers Grove, Ill.

Asparagus plumosus seedlings, clumps, sprays and seeds. Write for prices. Peter Mack, Orlando, Fla.

Asparagus plumosus, 2 1/4-in. pots, \$3.00 per 100; \$25.00 per 1000. Asparagus Sprengeri, 2-in. pots, \$2.00 per 100; 4-in. pots, heavy, \$10.00 per 100.
Storrs & Harrison Co., Painesville, Ohio.

ANTHERICUM

Anthericum variegatum, strong plants, 2-in., 3c; 5-in., 10c. H. G. Norton, Perry, O.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
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A. Leuthy & Co., Roslindale, Mass.
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Lochner & Co., New York, N. Y.
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BAY TREES

A. Leuthy & Co., Roslindale, Mass.
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Bobblak & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Bay Trees and Box Trees, all sizes. Write for special list.
Julius Roehrs Co., - - Rutherford, N. J.

BEDDING STOCK

A. N. Pierson, Inc., Cromwell, Conn.
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BEGONIAS

A. Leuthy & Co., Roslindale, Mass.
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Thomas Roland, Nahant, Mass.
Lorraine Begonias.
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BOILERS

Kroeckell Bros. Co., 466 Erie St., Chicago.
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BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.
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Bobblak & Atkins, Rutherford, N. J.
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Julius Roehrs Co., Rutherford, N. J.
Box Trees all sizes. Ask for special list.

BONES—CUT FLOWER—FOLDING

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.

French and Dutch Bulbs.

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J. M. Thorburn & Co., 33 Barclay St., N. Y.
Seasonable Bulbs.

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A. T. Boddington, 342 W. 14th St., N. Y.
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Rickards Bros., 37 East 19th St., New York.
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Henry F. Mitchell Co., Philadelphia, Pa.
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T. J. Grey Co., 32 and 33 So. Market St., Boston.

Ralph M. Ward & Co., 12 W. Broadway, New York.
Horseshoe Brand.

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James Vick's Sons, Rochester, N. Y.
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John Lewis Childs, Flowerfield, L. I.
Summer Flowering Bulbs.
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The W. W. Barnard Co., Chicago, Ill.
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Fottler, Fiske, Rawson Co., Boston, Mass.
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E. S. Miller, Wading River, N. Y.
Gladiolus, Lilies, Iris, Etc.

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A. Henderson & Co., Chicago, Ill.
Late Dug Formosa
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CALCEOLARIA

Wanted: 50 or 100 Calceolaria hybr. Plants. Mor. Anderson, Glendora, Riverdale on Hudson, N. Y.

CANE STAKES

W. W. Barnard Co., Chicago, Ill.
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CANNAS

R. Vincent, Jr. & Sons Co., White Marsh, Md.

The Improved Canna—64 varieties, including Mrs. A. F. Conard and the finest new ones. Send for price list. The Conard & Jones Co., West Grove, Pa.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
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Chicago Carnation Co., Joliet, Ill.
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Chas. H. Totty, Madison, N. J.,
Wodenethe and Brooklyn.
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Wood Bros., Fishkill, N. Y.
Field Grown Plants.
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CARNATION STAPLE

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 2000 for \$1.00 post paid. I. L. Pillsbury, Galesburg, Ill.

CHRISTMAS GREENS

Henry F. Mitchell Co., Phila., Pa.
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CHRISTMAS TREES—BALED SPRUCE

H. J. Smith, Hinsdale, Mass.
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CHRYSANTHEMUMS

A. N. Pierson, Inc., Cromwell, Conn.
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Elmer D. Smith, Adrian, Mich.
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Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Chrysanthemums, rooted cuttings, Monrovia, Polly Rose, \$12.00 per 100. Violets, Princess of Wales, \$6.00 per 100; \$50.00 per 1000. Chas. Lenker, Freeport, L. I., N. Y.

CINERARIAS

Cinerarias, finest large-flowering dwarf hybrids in mixture; established in 3 in. pots, at \$4.00 per 100. Cash. Russell Bros., Syracuse, N. Y.

CLEMATIS

Clematis paniculata, 2-yr., \$7.00 per 100; \$60.00 per 1000. H. G. Norton, Perry, O.

Clematis paniculata, 2 and 3-yr.-old; also Henryl, Jackmanl, Andre Romona, Red Jack, Duchess. Special price for fall delivery.

Parks & Schaufelberger, Penfield, N. Y.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
For page see List of Advertisers.

CYCLAMENS

Cyclamen—Best Varieties in different colors, 3 inch pots, strong plants, \$10.00 per 100, \$80.00 per 1000. Julius Roehrs Company, Rutherford, N. J.

Giant cyclamen, our own grown strain, selected from the very best and well built plants and flowers. Seed, \$1.00 per 100, \$6.00 per 1000; nearly all sold out. August seedlings, \$2.00 per 100; \$18.00 per 1000. Plants, well set with buds, 4-in., \$18.00 and \$25.00 per 100. Orders amounting to \$25.00, 10 per cent. off. Here is one of the many letters we received from satisfied customers: E. A. Butler & Son, Niagara Falls, N. Y., say, "The plants are excellent, the finest we have ever had and, if the seed this year is of the same quality, we will be perfectly satisfied." Our aim has been to, and we have, improved our strain every season. Cultural directions with every order. C. Winterlich, Cyclamen Specialist, Defiance, O.

DAHLIAS

Herbert, Acto, N. J.
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R. Vincent, Jr. & Sons Co., White Marsh, Md.

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Henry A. Dreer, Inc., Philadelphia, Pa.
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DAHLIAS NEW FOR 1911.

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williamstown Junction, N. J., Post Office, Berlin, N. J.

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

EAST BRIDGEWATER DAHLIA FARMS. If you are looking for dahlia stock for your 1912 catalogue, send for Trade List to the Dahlia King, J. K. Alexander, East Bridgewater, Mass.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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INSECTICIDES

- Eastern Chemical Co., Boston, Mass.
Imp. Soap Spray.
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- Nicotinide kills all greenhouse pests.
F. E. Palethorpe Co., Owensboro, Ky.
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- Stumpp & Walter Co., New York.
Kiln-dried Tobacco Dust.
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- Aphine Manufacturing Co., Madison, N. J.
Aphine.
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- E. H. Hunt, Chicago, Ill.
To-Bak-line Products.
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- Wilson Plant Oil and Fertilizer Co.,
Elizabeth, N. J.
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- The H. A. Stoothoff Co., Mount Vernon,
N. Y.
Nicotine Tobacco Powder Offer.

Acme Nicotine Insecticides sold direct to the grower. Acme 45 per cent. Liquid, pint \$1.75; gallon \$12.50. Acme Fumigating Paper, case of 288 sheets \$5.50. Sample can of 24 sheets 60 cents, postpaid. J. P. Beermaker, 9 Washington Ave., St. Louis, Mo.

JAPANESE LILIES

- Loechner & Co., New York, N. Y.
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JERUSALEM CHERRIES

JERUSALEM CHERRIES, pot grown, strong and well berried plants, 4-in., \$10.00 per 100. Cash, please. F. Sokol, Worcester, Mass.

- Thos. J. Grey Co., Boston, Mass.
Improved Variety Melvini.
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KENTIAS.

- Bobbink & Atkins, Rutherford, N. J.
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- A. Leuthy & Co., Roslindale, Mass.
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LANDSCAPE GARDENING COURSE.

Home Correspondence School, Springfield, Mass., Dept. 8.
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LILIUM HARRISII

- F. R. Pierson Co., Tarrytown-on-Hudson,
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LILIUM MULTIFLORUM AND GIGANTEUM

- R. M. Ward & Co., New York, N. Y.
Horse Shoe Brand.
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LILY OF THE VALLEY PIPS

- Loechner & Co., New York, N. Y.
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MASTICA

- F. O. Pierce Co., New York, N. Y.
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MATS FOR COLD FRAMES

- Wm. Elliott & Sons, New York, N. Y.
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NICO-FUME

- Kentucky Tobacco Product Co.,
Louisville, Ky.

NIKOTEN APHIS PUNK

- Nicotine Mfg. Co., St. Louis, Mo.

NURSERY STOCK

- P. Ouwerkerk, Weehawken Heights, N. J.
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- W. & T. Smith Co., Geneva, N. Y.
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- Bay State Nurseries, North Abington,
Mass.
Hardy, Northern Grown Stock.
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- Bobbink & Atkins, Rutherford, N. J.
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- McHutchison & Co., New York, N. Y.
Direct Importations
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- TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

NURSERY STOCK—Continued

Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00 by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Altheas, Berberies, Deutzias, Forsythias, Hydrangeas, Philadelphia, Viburnums, Privet, Spiraea, Weigelas. Write for price list. The Conard & Jones Co., West Grove, Pa.

ONION SETS

- Leonard Seed Co., Chicago, Ill.
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- S. D. Woodruff & Sons, New York, N. Y.
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ORCHID FLOWERS

- Jas. McManus, New York, N. Y.
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ORCHID PLANTS

- Lager & Hurrell, Summit, N. J.
Cypripedium Caudatum.
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- Julius Roehrs Co., Rutherford, N. J.
Hybrid Orchids.
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- Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
For page see List of Advertisers.
- Orchids—largest stock in the country. Stove plants and Crotons, finest collection. Julius Roehrs Co., Rutherford, N. J.
- Edward V. Low, late of Hugh Low & Co., dissolved, Vale Bridge, Haywards Heath, England. "White" Cattleyas and Choice Cypripediums are leading features.
- Orchid Growers' Manual. By B. S. Williams, 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

PALMS, ETC.

- A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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- Robert Craig Co., Philadelphia, Pa.
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- John Scott, Brooklyn, N. Y.
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- Julius Roehrs Co., Rutherford, N. J.
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- Joseph Heacock, Wyncote, Pa.
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- Loechner & Co., New York, N. Y.
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PAPER POTS

Paper Pots: 5000 3 in., \$5; 2 1/2 in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

- Siggers & Siggers, Washington, D. C.
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PECKY CYPRESS BENCHES

- Foley Mfg. Co., Chicago.
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- A. T. Stearns Lumber Co., Boston, Mass.
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PEONIES

"Fragrans," late dark pink, large divisions, \$6.00 per 100, \$50.00 per 1000. Chas. Lenker, Freeport, L. I., N. Y.

PHOENIX ROEBELENI

- H. A. Dreer, Phila., Pa.

PLANT STAKES

Seele's Teless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

- H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

PIPE AND FITTINGS

- Foley Mfg. Co., Chicago.
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- Kroeschell Bros., Co. 468 Erie St. Chicago
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- Metropolitan Material Co., Brooklyn, N. Y.

POTASH

German Kall Works, Baltimore, Md.

POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

POULTRY AND FARM REVIEW.

The Rex Company, Harrisburg, Pa.
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PRINTING.

The Rex Company, Harrisburg, Pa.
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PRIVET

California Privet, any quantity, size, age. Others say ours is the best grown. Write for prices; also on shrubbery, ornamentals, fruit trees, asparagus, etc. Franklin Davis Nursery Co., Baltimore, Md.

Half a million privet. Strong, heavy, well furnished stock, 18 to 24-in., \$15.00 per 1000; 2 to 3 ft., \$20.00 per 1000; 3 to 4 ft., \$25.00 per 1000. Dwarf and specimen evergreens, shrubbery and trees in all varieties.

AMERICAN NURSERY CO.,
Singer Bldg., New York, N. Y.

REFRIGERATORS FOR FLORISTS

McCray Refrigerator Co., Kendallville, Ind.
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RHODODENDRONS

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RIBBONS AND CHIFFONS

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ROSES

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- Robert Craig Co., Philadelphia, Pa.
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- W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
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- Bay State Nurseries, North Abington, Mass.
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- Wood Bros., Fishkill, N. Y.
Own Root Roses.
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- Eastern Nurseries, Jamaica Plain, Mass.
New Roses Originated by Jackson Dawson.
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- S. S. Pennock-Meehan Co., Phila., Pa.
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- Chas. H. Totty, Madison, N. J.

ROSES—Send for complete list. American Pillar, 3 year, \$35.00 per 100; American Pillar, 2 year, \$25.00 per 100; Dorothy Perkins, \$12.00 per 100; Lady Gay, 4 to 5 ft., \$16.00 per 100. The Conard & Jones Co., West Grove, Pa.

RUBBER STAMPS, STENCILS.

The Rex Company, Harrisburg, Pa.
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SEED GROWERS

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- C. C. Morse & Co., San Francisco, Calif.
Onion, Lettuce, Sweet Pea Seeds.
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- J. C. Robinson Seed Co., Waterloo, Neb.
Contract Seed Growers.
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SEEDS

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- Joseph Breck & Sons,
51 and 52 N. Market St., Boston, Mass.
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- Rickards Bros., 37 E. 19th St., New York
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- Henry F. Mitchell Co., Philadelphia, Pa.
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Flower Seeds for the Florist.
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Fottler, Fiske, Rawson Co., Boston, Mass.
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Leonard Seed Co., Chicago, Ill.
Peas, Beans, Radish and all Garden Seeds.
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Wm. Elliott & Sons, New York.
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James Vick's Sons, Rochester, N. Y.
All Leading Varieties of Seeds.
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E. S. Skidelsky & Co., Philadelphia, Pa.
Asparagus Plumous Nanus Seed.
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The W. W. Barnard Co., Chicago, Ill.
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Roman J. Irwin, New York, N. Y.
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Tomato Seed.
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SOLANUMS

T. J. Grey Co., Boston, Mass.
Capsicastrum Melvini.
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SOUVENIRS AND SACHETS OF
LAVENDER

California Sweet Lavender Souvenirs.
Sachets of dried flowers, lastingly fragrant.
One style, 30 cts. by mail, post paid. Mrs.
E. C. Gardener, So. Pasadena, Cal.

SPHAGNUM MOSS

H. J. Smith, Hinsdale, Mass.
For page see List of Advertisers.

Live Sphagnum moss, orchid peat and
orchid baskets always on hand. Lager &
Hurrell, Summit, N. J.

SPRAYERS

Chas. J. Jager Co., Boston, Mass.

SWEET PEAS—WINTER FLOWERING

R. E. Wadsworth, Northboro, Mass.
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Sweet Peas. Florence Denzer, Watchung.
Mrs. F. J. Dolansky, Pink Watchung, Mrs.
C. H. Totty, Miss Josey Reilly, Greenbrook.
Mrs. Alex. Wallace, winter flowering;
several plants to the pot, \$2.00 per 100 pots.
Cash, please. R. E. Wadsworth & Co.,
Northboro, Mass.

TREE RENOVATION

John T. Withers, Inc., Jersey City, N. J.
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VEGETABLE PLANTS

Fox Hall Farm, Norfolk, Va.
Tomato, Cabbage and Lettuce Plants.
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VINCAS

Vinca variegata, Strong selected field
clumps, \$5.00; good medium, \$4.00 per 100.
Rooted cuttings ready in December, \$7.00
per 1000. Cash. M. M. Lathrop, Cortland,
N. Y.

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Wirework. Write for our catalogue.
Holton & Hunkel Co., Milwaukee, Wis.

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WOOD PRESERVATIVE

Conservo Wood Preservative doubles the
life of all exposed lumber. Preserves
benches, posts, sills or planking. Costs
3c. a stick, and saves ten times its cost.
Samuel Cabot, Inc., Mfg. Chemists, Bos-
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Xmas Peppers, fine berried plants, 4 and
4½ inches, \$8 to \$10 per 100. P. Rieth
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stood the test as a profitable
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every one of whom is a prospective buyer.

Why HORTICULTURE is so
widely read.

Because Its contents are
distinctly represen-
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are the sort of men that
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you can't afford to get along without them

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Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

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SITUATION WANTED by all round man, long experience in Europe and America. Open to all kinds of work. Married, middle aged. Best references. Understands all kinds of work. Address N. H., care HORTICULTURE.

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Are Easy to Kill with
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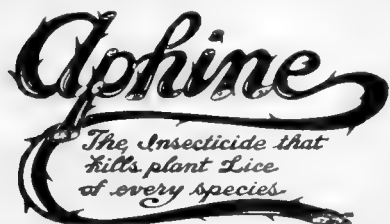
\$2.00 per bag of 100 lbs. Also, Tobacco Stems, 50 cents per 100 lbs.

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Please mention Horticulture when writing.



Destroys green, black, white fly, thrips, red spider, mealy bug, scale and all plant sucking insects. An excellent cleanser for decorative stock.

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U. S. AND CANADA.

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Fungine will cure bench rot and is proving an excellent remedy for the protection of cuttings and young stock against the various blights.

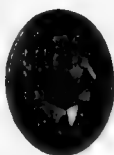
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APHINE MANUFACTURING COMPANY
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A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

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You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free.)

Use any form you choose but buy it of

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KILMDEAD
The best of all
the tobacco
dusts for
Dusting or
Fumigating

25 lbs. \$1.00	100 lbs. 3.00	1000 lbs. \$27.00
50 lbs. 1.75	500 lbs. 14.00	2000 lbs. 52.50

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Wilson Plant Oil & Fertilizer Company

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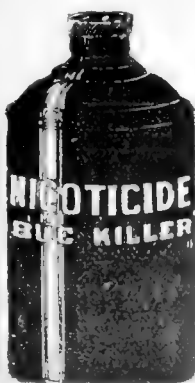
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The Best
Bug Killer and
Bloom Saver

For PROOF
Write to

P R Palethorpe Co.
OWENSBORO, KY

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per crate:							
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1000	3	"	5.00	144	6	"	3.16
800	3½	"	5.80	120	7	"	4.20
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August Roher & Sons, 31 Barclay St., N. Y. City, Agents.

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Syracuse Red Pots

"A little pot is soon hot," likewise a thin pot. This will save you fuel. Our pots are the thinnest and toughest owing to the superior quality of the clay.
New price list on application.

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28th & M Sts., Washington, D. C.



ALL THE CLAY FOR OUR

Florist's Red Pots is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots, order from us.
THE PETERS & REED POTTERY CO.
Zanesville, Ohio

In ordering goods please add "I saw it in HORTICULTURE."



DREER'S

Florist Specialties.
New Brand New Style.
Hose "RIVERTON"
Furnished in lengths up to 500 ft. without seam or joint.
The HOSE for the FLOWBAT 1/2 inch, per ft., 15 c.
Reel of 500 ft., 14 1/2 c.
Reels, 1000 ft., 14 c.
1/2 inch, 13 c.
Reels, 500 ft., 12 1/2 c.
Couplings furnished.
HENRY A. DREER,
714 Chestnut St.,
PHILADELPHIA, PA.

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Look in the "Buyers' Directory" of this issue and you will probably find represented there somebody who can supply you. It's a good plan to look it over every week, for the weekly changes and additions are many.

See ?

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POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURER

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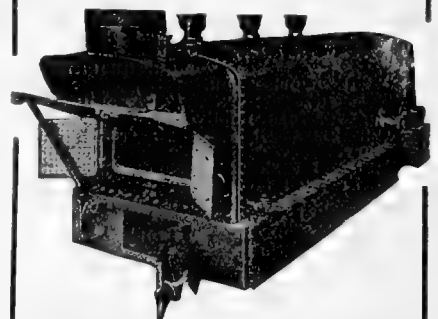
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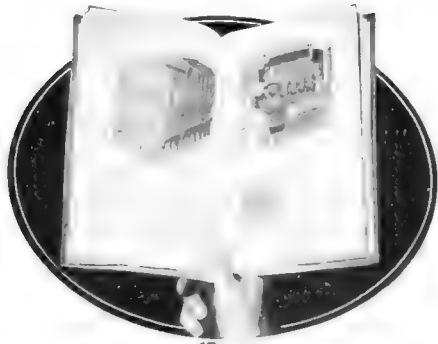
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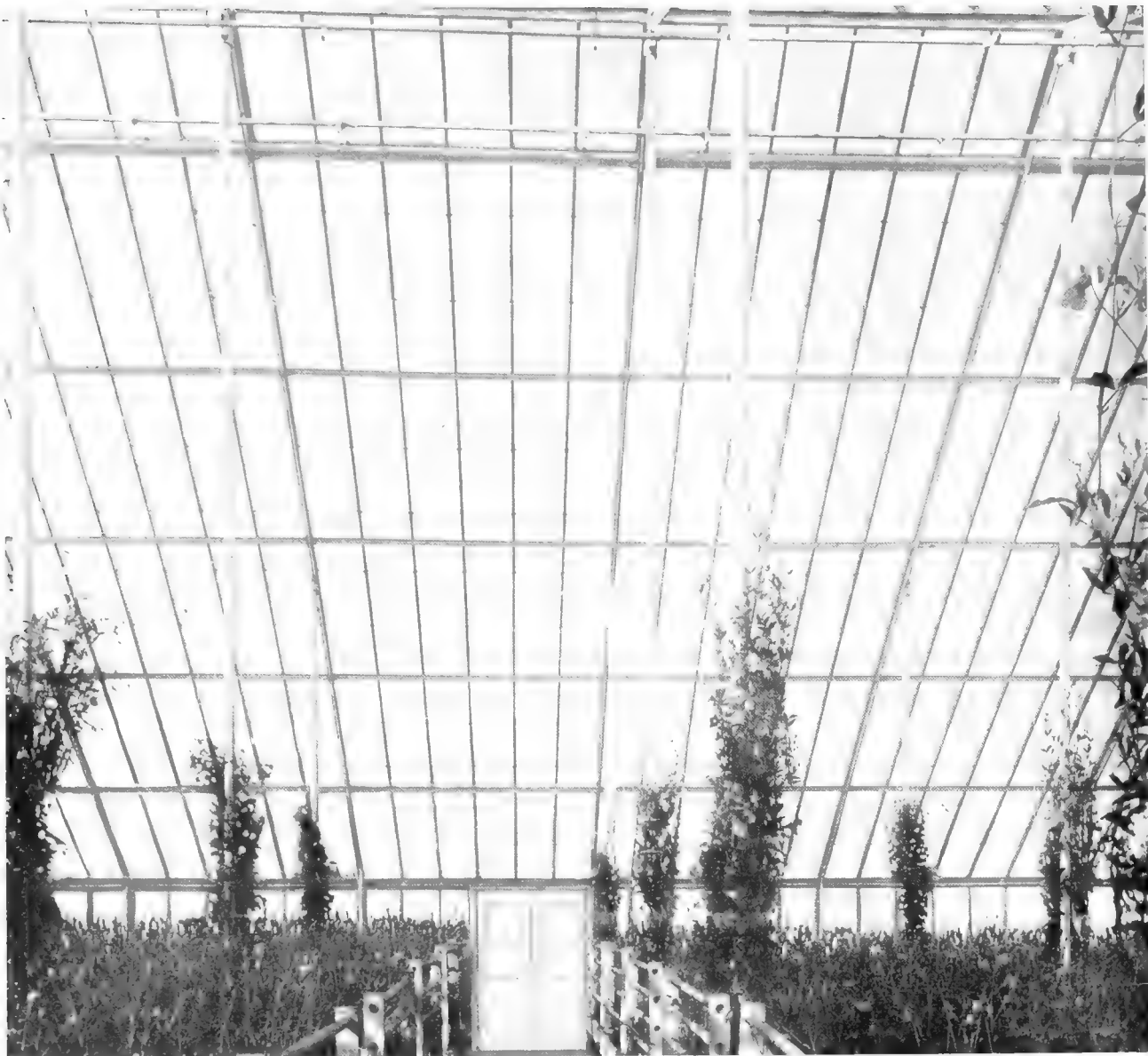
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HORTICULTURE

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No. 25



JOSEPH A. MANDY
President of the New York Horticultural Society

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Fruits and Vegetables Under Glass

NEW JERSEY ORANGES



The accompanying pictures give only a faint idea of the magnificence and beauty of an orange house at this time of year, the ever-green foliage contrasting so well with the golden fruit as it hangs in great clusters. The pictures were taken two weeks

ago in the orangerie at Duke's Park. This house measuring 25 by 75 feet might be rightly termed the California of New Jersey. The older trees are planted out in borders and the intervening spaces taken up with trees in square tubs—one of which we illustrate—which are easily transferred to wherever needed for house decorations. The cluster—and there are many such through the house—is growing on one of the trees planted out. Owing to the quantity of fruit which keeps the branches low, it has been difficult to show the whole crop of one tree in a small picture. For a private place which is seeking novelty and a picturesque house there is nothing to beat an orangerie. The moderate temperature makes it an ideal spot at all times of the year.

The fragrance of the flowers needs no commendation and as soon as these pass over there is the crop of wee small oranges to develop into the golden harvest of the late fall and winter, which makes a pleasing feast for the eyes as well as the mouth, right over Christmas.

POSITION OF FRUIT HOUSES AND THEIR VENTILATORS

The position and construction of fruit houses plays no small part in the quality of results obtained from the trees. During recent years a great change has been made in constructing a peach house. Now, we find trees growing on a trellis stretched across the house instead of in the old way of running on an overhead trellis a short distance from the glass. This method is a vast improvement on its predecessor, inasmuch as more fruit can be gathered from a house, the trees are more easily kept clean,—being more accessible with the hose,—the borders feel the heat of the sun and the air can pass in and around the trees more freely. It will be readily seen that a house such as the foregoing must run from east to west, with the trellis across it at right angles. For an early house a lean-to has much to recommend it;

in the first place it is sheltered from the north wind, secondly it gets all the sun possible during the first months of the year, an essential point. Trees planted the reverse way are shading each other a little until the sun gets high. Similar roses will suit figs. Vineries can be built on either course, but if from east to west a lean-to or $\frac{3}{4}$ span is only possible.

A far more pleasing house is the even-span roof. Nothing looks better to the eye than a good crop of grapes hanging in a span-roof house where you can walk along underneath them. It is essential that this range run from north to south, giving both sides an even amount of sun. Ventilation will be on both sides, top and bottom and, during the trying spring months with warm sunshine and cold winds, the advantages of having the air just where you want it will be demonstrated.

No fruit house should be built without bottom ventilation. Some plant houses do not require side air, but

with fruit houses there is a vast difference. In the first place all fruit needs as much fresh air as it can get during the hot weather; when late crops are swelling, with no side air burning and scalding will be easier; after the fruit is finished and the houses need to be kept as cool as possible you cannot bring a house down to outside temperature without side air. Again early houses which you are desirous of starting as soon as possible do not catch the first light frosts, consequently the trees are kept growing longer, and lastly very late houses—vineries to have fruit hanging at Christmas—are unduly heated up with the spring sun before they are wanted to start and you cannot keep the vines dormant as long as would be possible with



side air. All this goes to show the advantage of houses having side-air over those minus it. I do not wish to say it is impossible to grow fruit in houses without side air, but I do say it is unpractical to build houses expressly for growing fruit without it.



MAKING A PEACH BORDER

Making a peach border differs little from making a vine border. The root confinement is of equal importance, as a peach tree if left to itself will make a quantity of strong worthless wood year after year. It is seldom we find flower buds on this strong wood; on the contrary it is on the weaker wood where the flower buds are located. The position of the house and trellis must

determine if the border should be made up at once; in a lean-to house a portion can be made each year, but with cross trellises, no provision for this can be made. Proceed as with a vine border until it comes to mixing the soil. A peach does not require nearly so rich a soil as the vine, but it must be porous. To every fifteen loads of loam add one of broken bricks (these should be broken into pieces about as large as your fist) and four or five bags of choarcoal. No stimulants will be needed. Mix the soil thoroughly and when making it up press it firm.

MELONS

Melons sown December 1st will soon be ready to plant out and the bed should be prepared for them. Half-decayed loam, with a good percentage of mortar rubble or old plaster broken up small and mixed in with it will be found to suit them all right. A mistake is often made in giving melons too much soil to grow in. A

surprisingly small quantity is all they require. With this small quantity canker and stem-rot seem to be less prevalent than where they have so much to ramble in. A bed 5 by 16 inches is quite enough for them. Break the loam into fair-sized lumps and make the bed quite firm. A melon seems to enjoy a good hard soil and there is less superfluous growth than when planted in loose soil. A good set seems easier to obtain and the benches drying out quickly will help to improve the flavor of the fruit. After making the foundation of the bed leave little mounds of soil in which to plant the seedlings, two feet apart.

George H. Benson

White Phloxes

To emphasize the importance of phloxes in floral outdoor displays would mean an attempt to impose on the patience of the intelligent readers of *HORTICULTURE*. As a matter of fact, the coming into flower of the phloxes is a characteristic feature in the mid-summer aspect of any modern garden. Without it the total picture would lack in color-brilliancy. We should, at once, miss that certain warmth of tone which only a mass of upright panicles of phloxes can create. World-wide popularity first brought about an overabundance of variety. With the growing refinements of taste in color combinations and the subsequent preference for clear

to shed some of their blossoms are as a rule not considered very seriously for cutting. Nevertheless during the month of August, with by no means an oversupply of white in the garden, the long-stemmed panicles of the best white varieties in many instances prove quite acceptable. This without doubt further explains their preponderance in public favor.

In the suffruticosa class Miss Lingard is still in the lead. Although not a pure white, the pale pinkish eye never detracts from its meriting first rank in the early-flowering whites. Being nearly a perpetual bloomer its glossy foliage, free-flowering habit, and the large size



PHLOX SUFFRUTICOSA, MISS LINGARD

tints the discarding of shades of doubtful merit became an urgent necessity for up-to-date growers. It also meant to keep an eye on the size of the individual flower as well as the build of the panicles, not to forget the resistance of foliage to mildew and other diseases.

According to my observations, the lighter shades at present outclass the darker ones in demand, with pure white leading. White is neutral; that is, it does not clash with any color when coming in contact. Being principally planted for garden display it is a very easy matter to place white phloxes. The standard varieties now possess that noble purity which, for near and distant effects, is of a wonderful strength.

Phloxes, on account of their habit of soon beginning

of its masses of conically formed trusses are qualities which speak loud and convincing.

There are quite a number of pure whites listed within the paniculata section. Of the tall growing ones Frl. von Lassburg and Mrs. Jenkins can be safely recommended as the best in cultivation. Of the dwarf-growing ones Diadem, late flowering, and—as a novelty well spoken of here and abroad—Frau Anton Buchner, mid-season, should be considered first. Both are excellent for bordering purposes.

Richard Rothe

Northeast Harbor, Maine.

Seasonable Notes on Culture of Florists' Stock

CARE OF CALCEOLARIAS FROM NOW ON

Don't run these plants too high for they are positively injured by being kept in too warm a temperature. From now 45 degrees at night should be the limit and where you want to retard them they should be kept in a very cool house—say three or four degrees above the freezing point. At this cool stage they should be held a little on the dry side, but yet with enough moisture at the roots to keep them sprightly and fresh. Those that are kept growing on in a temperature of 40 or 45 degrees should be allowed room to develop their foliage. Give them plenty of air daily when possible. It is advisable to keep them shifted from time to time until their flowering size is reached. These plants are very particular about drainage so always be sure to have a good layer of broken crocks in the bottom of every pot. Give them a loam that is left lumpy four parts, well rotted cow manure one part, leaf mold one part, and sharp sand enough to keep the mixture porous and mellow. Keep them rid of fly by light fumigations done often, which is more effective than infrequent heavy doses.

FORCING EARLY NARCISSI

The earliest planted bulbs of this ideal winter flowering bulb that were brought in and put under a bench in a cool house three or four weeks ago should by this time have filled their flats with lots of roots. To have the first lot prove a success be sure that they have a good root growth first, otherwise the attempt will be a failure. They will stand a strong heat when well rooted; anywhere from 75 to 80 degrees will not harm them. In forcing narcissi for January flowering they will need to be well-shaded so as to draw up the flower stem for two or three weeks; then remove the shading a little at a time until they have full sun. Remember that they will require frequent waterings when they are kept in a high temperature.

GLOXINIAS FOR SPRING FLOWERING

Where nice flowering plants are wanted for the months of April and May a batch of bulbs should be started now and another can be started in about a month; this will give a much longer period of flowering. The best way of starting these corms is to place them quite close together in flats in a compost of leaf mold and sand and then give enough of water just to moisten the soil thoroughly; be careful not to give too much until the bulbs have made some growth. As these plants are essentially tropical they should have a night temperature of from 60 to 65 degrees. When they have made a little top growth and some nice roots they can be potted off into 4 inch pots in a compost of fibrous loam three parts, cow manure and leaf mold each one part. When they have filled these pots with roots they should be shifted into their flowering pots, with good drainage. If seed is sown now and grown on it will make nice flowering plants by next August.

INCREASING YOUR FERN STOCK

All florists who grow a certain amount of their fern stock should make preparation now to increase it by

division when possible or by sowing the spores. All ferns that are creeping runners or stolons are well adapted to increasing stock. All such ferns as *Adiantums*, *Davallias*, *Nephrolepis*, *Polypodiums*, etc., can be propagated by division. Break them up large enough so they will retain quite a few roots and then place them together in flats or pans in a compost of half leaf mold and half sand. There is no better place for these flats or pans than a warm propagating bench where they will not be subjected to any dry or cold currents of air. Keep the atmosphere of the frame moist and maintain a temperature of from 65 to 70 degrees and they will soon begin to make new fronds and roots, after which they can be potted up in any good porous soil. When they begin to make roots in their pots they should have a temperature of about 60 degrees at night. All this young stock should have a house or bench where they can have plenty of light without too much direct sun.

Spores can be sown now any time. Seedling ferns will need a lot of care at this season. When they are large enough they should be pricked off into other pans or flats; those that are large enough can be potted and placed in a temperature of about 60 degrees at night well up to the glass; otherwise the growth will be long and weak.

FUCHSIAS

To obtain nice bushy plants of good size bring in some of your stock plants and shorten them back to firm ripe wood. They should be shaken out and repotted into good fresh loam and given a bench in a house where they will get lots of sunshine with a night temperature of from 55 to 60 degrees. It will be necessary to give them an overhead spraying daily to soften up the buds, make them break well and start off into nice sturdy growths. When they have made young shoots from two to three inches long these should be taken off and inserted in a propagating bed that stands at 65 degrees bottom heat with a temperature overhead of about 55 degrees. When rooted they can be potted into 2 1/2 or 3 inch pots using any good turfy loam broken up fine, three parts, well rotted manure and leaf mold one part each. They should be potted quite firm, but not hard. When they are established they will need abundance of water and daily syringings with 50 or 55 degrees at night.

LILIES INTENDED FOR EASTER

Go over your lilies intended for Easter and select the most forward for there is a big difference in their growth. While some will have made a growth of a couple of inches others will not be showing at all. All those that have a top growth should be immediately placed in a house where they will get plenty of light and about 50 degrees at night until they get well supplied with roots. Do the watering of these with care, giving just enough to keep the soil in a moist condition. By the end of this month they can all be brought in and placed in flats in the above temperature so as to get a start.

John J. M. Farrell

Mr. Farrell's next series will be on CACTI AND SUCCULENTS, CAMPHORUS, PILEUS, Drying Wither, DRYING, GROWING READY TO BE USED, ROOTS, FLOWING TULIPS.

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give greater comfort and satisfaction after it is all over than the consciousness that everything has been done in order, every obligation promptly met, every little detail carefully carried out and every customer pleased? The enjoyment of all this is not possible, except by deliberately thinking it out well beforehand and then by the systematic and thorough doing ahead of everything that can possibly be made to contribute towards the final realization. The right material—enough of it, in the right place and put to profitable use by the right person are essentials in the orderly expediting of business in this period of so great possibilities for the ambitious florist. "Get busy" is good advice but "get ready to get busy" is equally important. Do it now.

The inconsistency of exhibition schedules never fails to furnish a fertile topic for discussion. We have just been looking over one recently sent

out by a State Horticultural Society for a mid-winter show in which the first prize for five apples is \$2.00 in each of over a score of classes. A pretty good price for apples—40 cents apiece? And each exhibitor, whether winner or not, takes his fruit away with him, nothing the worse for wear, after the show closes. In the same schedule the sum of \$3.00 is offered for twelve American Beauty roses—25 cents apiece, in mid-winter—and, whether winner or loser on prizes, the exhibitor, of course, gets nothing back. On the other hand, \$8.00 is up as first prize for 50 carnations. The carnation man can't find any fault with that. Evidently the disparity is due, not to prejudice or intent to slight or to over-reward any particular class, but simply to a faulty conception of the comparative conditions appertaining to each. Schedule making calls for broad knowledge, and lots of good sense and our exhibitions suffer oftener than we are apt to realize, because these essentials are lacking in the schedule makers.

A great record

The mention in our St. Louis notes for this week and in various other news items from time to time, of the place still held by chrysanthemum Mrs. Jerome Jones as a market variety, reminds us that this grand old chrysanthemum has now been in existence for nineteen years and bids fair to hold its own indefinitely as a favorite exhibition flower in its distinctive class as well as a useful late commercial sort. This is remarkable when we consider that of the hundreds of varieties well-known at the time of its introduction in 1892 all are practically extinct with the exception of Cullingfordii, Maud Dean and possibly one or two others. Geo. W. Childs and Ivory which still are with us were introduced in the same year as Mrs. Jerome Jones. Col. Appleton, Timothy Eaton, Maj. Bonnaffon and other well-seasoned stand-bys were not yet in existence. No doubt the long tenure of the Mrs. Jerome Jones on the exhibition tables has been in some measure due to the liberal special premiums contributed by Mr. Jones as a memorial to the sweet, philanthropic lady whose name it bears and to the gentleman, her father, whose production it was and to whose patient devotion the chrysanthemum owes so much of its prestige. But the variety, individually, is also undoubtedly responsible for its popularity, not alone in this country but abroad, some thing which premiums could never have maintained without exceptional merit in the flower itself.

As we near the holidays the hustle and bustle increases and will intensify with each day that passes. He who makes ready early and starts ahead of the rest will win in like manner. What can

Get ready
to get busy

THE COMING ROSE AND CARNATION CONVENTION SHOW AT DETROIT.

A good deal of adverse criticism has been going around regarding the earliness of the Rose Show. The Executive Board of the Rose Society thought it best to stretch a point and go together with the Carnation Society, as an experiment. Many rose growers grow carnations, too. They would like to go to both conventions, but to spare the time is often not possible, besides the extra cost of fare. By having these two conventions together, I think both societies will strengthen their membership; that a grower whose interest is weakest, say in roses, and is a member of the Carnation Society, would possibly, if able to attend both meetings, join the Rose Society, as he is most likely interested in roses also, but not caring to spend the time and money for both meetings, goes to the one which takes care of his greatest interests. So being able to "kill two birds with one stone," he goes to the joint meeting. As this works both ways, both societies will be gainers. Besides, the exhibition of the two societies together should be an attraction to the public, and thus a good attendance seems assured, which is a great factor towards the success of the show.

The Rose Society has always suffered from lack of attendance; if the show was just of roses alone, it was too small an affair, and the general public did not get to know of it. If held in conjunction with some Horticultural Society, we had the attendance, but we could not always arrange for such favorable conditions, so we are trying this combination. I feel sure it will be a great success. The hall is ideal, very light and with plenty of ventilation, and the Detroit Florists' Club is going to do its best to make us feel at home. Every member of it is working for success, and everyone seems to feel as if the success of the show and meeting depended on just his share of the work, and this makes the officers and executive board of both societies feel assured of one of the greatest meetings and exhibitions ever held by either society.

So, my dear friend, drop your growling, if you are one of the growlers, and make up your mind to come, and you will never regret it. The exhibition of roses alone will surpass your expectations. So many new varieties will be there—not by the dozen, but by big fifty bunches, and if they are not there you can form your own conclusions why. If you have any good roses, look over the previous list and see if there is not one class where you can come in. I know there is. All varieties and all classes are taken care of—some \$1,700 for cash prizes and the society's gold, silver and bronze medals. Enough for everybody, who is keen and alert to know that to have good roses at that time of the year, so they can come in competition with the best and possibly carry away first prizes is a glory, besides a good advertisement. Money is not everything in this life. To show your skill and good judgment, your fine points of cultivation and care, and then to triumph over your competitors, is great glory in our profession. Not to have felt that way is to have missed the best in your work. And those

who lose will strive to do better in the hopes of taking the blue ribbon some other day, and that is just one of the results of these exhibitions.

To keep one's eyes and ears wide open to improvements in methods of cultivation by going to these meetings and exhibitions, is very important. You may not get great big chunks of information every time you go, but, as the saying is, "Every little bit helps." Competition is strong, so one has to be posted all along the line. Everyone needs that to keep abreast of the times. There are lots of men crying that "there is no more money in it than there was twenty to twenty-five years ago; the little men are getting crowded out." That's all nonsense; there is just as much money in it as ever, and more, and the small grower has just as good a chance as ever, of course, but the old ways of doing things will not answer any more; new ways and means have to be adapted and lived up to, and success is assured as ever.

A. FARENWALD.

NATIONAL FLOWER SHOW OF 1913.

Will you kindly give publicity to the fact that the committee is now working on the Preliminary Plant Schedule for 1913.

Strong representations have been made me, that any firms who desire to contribute special prizes in the plant classes should be given due credit for the same and their names placed in this Preliminary List, to insure for them the widest publicity possible.

The committee feels that it cannot get in touch personally with all who may be desirous of contributing in this manner, and therefore asks that they write on or before January 1st, 1912, stating their wishes in this matter.

Thanking you, I remain, Yours very truly,
CHAS. H. TOTTY,
Chairman.

GOOD SERVICE RECOGNIZED.

Editor HORTICULTURE:

Gentlemen—As an aftermath to the report of the chairman of the Tariff and Legislative Committee of the Society of American Florists, we would add our appreciation of the work which Mr. Esler did for us personally. We were among the victims of the unsatisfactory deliveries of the express companies, and as individuals, were unable to get satisfaction. We appealed to Mr. Esler, and thanks to his interest and indefatigable efforts, backed by the Society of American Florists, we gained our point. This shows two things very clearly and emphatically: first, the great value of united action, and "pulling together," as under the patronage of a society like the American Florists, and secondly, officering any society with the right men in the right place. To spare Mr. Esler's blushes we will let you make the inference here.

Very truly yours,

BENJAMIN DORRANCE

Attention is called to a typographical error in issue of Dec. 9 in which M. Wilson is made to say that *Lo on tulum chinense* was introduced to cultivation "about 1860," instead of "about 1880" as per copy.

In the advertisement of Jons McDuffee & Stratton read \$1.50 to \$1.50 on price of jardinières.

ROYAL INTERNATIONAL HORTICULTURAL EXHIBITION, LONDON, 1912.

His Majesty King George V. has just communicated to the directors of the Royal International Horticultural Exhibition, through Lieut.-Col. Sir George Holtord, his intention to open the exhibition on May 22nd, at 12 noon.

It will be remembered that this great show is to take place at Chelsea, in the grounds of the Royal Hospital, where it will be open to public inspection for eight week days. It will be the first show of the kind in England since 1866, and there is already ample evidence that it will attract all the horticultural novelties not only of the Empire, but of the world, while it will present to visitors an unique display of present-day floriculture.

In consideration of numerous requests from representatives of the horticultural world, the Directors of the Royal International Horticultural Exhibition have decided to provide special admission facilities for professional gardeners and others on the second, third and subsequent days. The actual size of the ground is 21 acres; but at least 7 acres are occupied by trees, shrubs, etc., which leaves only 14 acres for tents, exhibits, offices, etc. Applications for space have naturally been very numerous, and ground has to be allotted for paths, promenades, and so forth. It must also be remembered that, apart from the visitors themselves, there will be a large number—say three thousand—of officials and servants, including jury-men, exhibitors, attendants, etc.

Among the most recent donors of special prizes are Messrs. Clay & Sons, who are offering for competition in the rose class, a silver gilt rose bowl, valued at eighty guineas.

Turning to the interesting subject of horticultural sundries we may say that this section will exhibit a completeness never before witnessed in this country. The exhibits will be given prominent positions in the grounds, both under cover and in the open. In every case, the awards will be made by special jurymen; thus, in the classes for sundries, only men who have a thorough knowledge of these matters will officiate.

The Directors desire to draw the attention of exhibitors to the fact that they have decided not to enforce the condition printed at the foot of the entry forms already distributed in the schedules, to the effect that specimens (plants, etc.) must have been cultivated by the exhibitor for at least two months prior to the date of the show. Regulation 20, in the revised schedule, is the only stipulation of the kind that will be retained; namely, that the "Exhibits must be the property of the Exhibitor, or of the Employer in whose name they are shown."

The Directors also announce that they will provide all necessary plates and vases—the plates will be of cardboard or papier mâché.

C. HARMAN PAYNE.

Foreign Press Secretary.

CLUBS AND SOCIETIES.

WESTCHESTER AND FAIRFIELD HORTICULTURAL SOCIETY.

At the annual meeting, held in Royal Arcanum Hall, Stamford, Conn., Friday evening, December 8th, 80 members were present and the following officers were elected for the ensuing year: President, James Stuart, Mamaroneck, N. Y.; vice-president, Robert Williamson, Greenwich, Conn.; treasurer, Thos. Aitchison, Mamaroneck, N. Y.; corresponding secretary, Oscar Addor, Larchmont, N. Y.; financial secretary, J. B. McArdle, Greenwich, Conn. Executive committee, Chas. Adcock, New Rochelle, N. Y.; J. T. Burns, New Canaan, Conn.; Wm. Smith, Port Chester, N. Y.; Jas. Aitchison, Stamford, Conn.; P. W. Popp, Mamaroneck, N. Y.

It was decided to hold our meetings for 1912 in Greenwich, Conn. Mr. J. K. M. L. Farquhar of Boston will lecture on "The Gardens of Japan" at the January 12th meeting in Greenwich. The fall chrysanthemum show will be held at New Rochelle, and the summer rose show at Greenwich, Conn.

At the close of the meeting a social session of one hour's entertainment, cigars and refreshments, provided by our Stamford members, was an appropriate closing of the many pleasant meetings our society has held there the past year.

Following is the judges' report on exhibits at meeting, December 8:

Vase of calanthes—Jas. Stuart, certificate of merit; vase of carnations—Thos. W. Stobo, cultural certificate; collection of vegetables—Robt. Williamson, cultural certificate; cauliflower, tomatoes and mushrooms, *Cypripedium insigne*—Jas. Foster, honorable mention; carnations—Thos. Ryan, honorable mention; sweet peas—A. Peterson, vote of thanks; roses, Kaiserin Aug. Victoria—John Grant, vote of thanks. J. B. McARDLE, Secy.

NEW JERSEY FLORICULTURAL SOCIETY.

Officers for the ensuing year were elected by the N. J. F. S. at their regular meeting held in Lindsley Hall, Orange, on December 8th. Frank Drews, gardener for the Essex County Country Club, was elected president; Geo. B. Wilson, gardener for Thomas Edison, Llewellyn Park, vice-president; William Reid, secretary, and Walter M. Gray, treasurer, were unanimously reelected, both for third terms. It was decided that instead of the annual smoker in February a banquet should be held, to which the ladies should be invited. It was decided to continue the monthly competition for points in the various classes next year. These monthly exhibits for points keep up the interest in the society. Our meetings are always well attended by the members and the public.

The silver cup, donated by John R. LeCount, was presented to Lager & Hurrell, who won it last month for the best display of orchids. The presentation speech was made by President Kindsgarb. There was an unusually fine display of carnations, roses, orchids and other seasonable flowers on exhibition. W. E. Marshall & Co.,

New York, donated a prize for the best 18 carnations, one or more varieties, which was won by S. M. & A. Colgate, William Reid, gardener; second, Chas. Hathaway, Max Schneider, gardener; third, Popken & Collins.

The following are the awards in the monthly competition for points in Class A.

Calanthe Veitchi Lager & Hurrell, 80 points; *Epidendrum ciliare* Thomas Jones, 85 points; *Cypripedium insigne* William Reid, 97 points; vase of carnations—William Reid, 95 points; Frank Drews, 82 points; vase of roses—William Reid, 88 points.

Class "B," vase of carnations—Fritz Berglund, 87 points; vase of chrysanthemums—Max Schneider, 83 points.

Certificates were awarded as follows for exhibits not in competition for points:

Cypripedium insigne Hurrellmann Lager & Hurrell, first class cert.; *Cypripedium Mino Youngi*—Lager & Hurrell, first class cert.; *Cypripedium Niobe*—Lager & Hurrell, cert. of merit; vase of carnations—Frank Drews, cert. of merit; bunch of violets—Fritz Berglund, cult. cert.; 2 vases of roses—George Wraight, cult. cert.; 1 pot mignonette—George Wraight, cert. of merit.

The results in the annual competition for points, being the points received at the monthly competitions during the year were as follows in Class A: Commercial orchid class—first, Lager & Hurrell; second, Thomas Jones. Orchids, private gardeners' class—first, William Reid; second, Albert F. Larson. Am. Beauty roses—first, Frank Drews; second, Albert F. Larson. Roses—first, William Reid; second, Frank Drews; third, A. F. Larson. Carnations—first, William Reid; second, Frank Drews; third, A. F. Larson.

Class B: First, Max Schneider; second, Fritz Berglund.

WILLIAM REID, Sec'y.

ELBERON HORTICULTURAL SOCIETY.

The annual meeting of the Elberon Horticultural Society was held on Dec. 14th, when the following named officers were installed into their respective chairs for the ensuing year: President, James Kennedy; vice-president, Duncan Kelly; treasurer, A. Bauer; secretary, Benjamin Wyckoff; corresponding secretary, George Masson. The reports of the treasurer, secretary and standing committees were submitted and all showed a satisfactory and excellent condition of the affairs of the society.

In the monthly competition for points during the past year, A. Bauer won out, and he now becomes the owner of the Rickards' Bros.' silver cup which had to be won twice before becoming the property of the winner. In addition to the cup, Mr. Bauer was awarded the gold medal; Duncan Kelly, scoring the second highest number of points, receiving the silver medal and Wm. Seymour the bronze medal, for third. These medals were kindly donated by A. T. Boddington.

It was decided to continue the monthly competition for points during the coming year and that suitable prizes be awarded for same. Among the out-of-town visitors present was Jos. A. Manda of Orange, N. J., president-elect of the New York Florists' Club.

GEORGE MASSON,

Corres. Sec'y.

PITTSBURGH FLORISTS' AND GARDENERS' CLUB.

While our club meeting on Dec. 5th was not as largely attended as the November meeting, when we had the chrysanthemum display, yet it was very interesting, made so partly by the varied exhibits, and particularly by the presence of Elmer D. Smith of Adrian, Mich. Unfortunately Mr. Smith had not been able to be present at our November meeting when his specialty was shown in great variety, but he had with him a large number of life size cuts of chrysanthemums, and with these as texts he talked to us in his modest way of the peculiarities of habit and the best methods of propagation of his favorite flower. Asked for a list of the 12 best chrysanthemums for exhibition purposes, Mr. Smith named the following: Montigny, F. S. Vallis, Harry Conrad, Lenox, Missouri Boy, M. Loiseau Rousseau, Wm. Turner, Woodmason, Rose Pockett, Lady Hopetoun, Morristown, Yellow Miller.

Mr. Smith spoke in pleasant terms of the hospitality he was receiving during his short stay in Pittsburgh, and in particular of his visit to the plant of the Pittsburgh Cut Flower Co. at Bakerstown, where he saw 13 acres under glass, and was struck with the high average grade of all the stock under cultivation.

Baur & Steinkamp sent a number of cut blooms of carnation St. Nicholas which attracted much attention. Our expert agreed that if it was a free bloomer, it would be a winner. The judging committee—P. S. Randolph and Robt. Lillie—awarded it a first-class certificate.

The Pittsburgh Cut Flower Co. exhibited a number of the newer carnations and roses which they have had under observation the past season and President Burki of the company commented briefly upon them as follows:

Pink Delight is a good producer, good stiff stem and good color. Princess Charming is a nice flower, but slow; more money in Pink Delight. Bright Spot is well thought of. Gloriosa is a good thing. Sangamo makes a good deal of grass; in fact more grass than money. Of the newer roses Mrs. Aaron Ward proves more free than Melody and My Maryland is a good summer rose. The committee awarded a cultural certificate.

Jas. Wiseman showed a plant of *Erlangea tomentosa*—special mention. John Bader Co. showed fine cyclamen and Christmas plants in variety—cultural certificate.

At this point Mr. Phillips, gardener for H. J. Heinz, called attention to the fact that the American public showed small knowledge of plants as evidenced by the few varieties called for; in England and Germany a much greater variety is grown, and he thought our florists should endeavor to educate the public to a greater knowledge of plants and bring them to know there were other good things to grow besides Boston ferns. To this answer was made that the florists could not afford to educate the public, and also that the general knowledge of plants shown by the public visiting

the great Phipps Conservatories in Schenley Park was good.

The Bureau of Parks, Schenley Park, showed five varieties of begonias. Of these one of our large retail florists preferred Agatha in his trade, but for conservatory work President Jones prefers Glory of Cincinnati—certificate of merit.

Bureau of Parks showed cypripediums and ardisias, the berries of which were said to color best at a temperature of 45 degrees—certificate of merit.

G. and J. W. Ludwig showed Christmas greens from Oregon, Mahonia acanthifolia special mention.

In honor of the presence of Mr. Smith, refreshments were served by the hotel management, which brought to a close a very pleasant meeting.

Subject for the January meeting: "Roses."

H. P. JOSLIN, Sec'y.

NEWPORT HORTICULTURAL SOCIETY.

This organization held its annual meeting on the evening of Dec. 12, when reports from the various officers were submitted showing the Society to be in a high state of efficiency, which is mainly due to the harmony prevailing among its workers. A large number of members were present, and all seemed to favor the re-election of the officers, which was done in most cases, including that of president, and the following are those elected for the ensuing year:

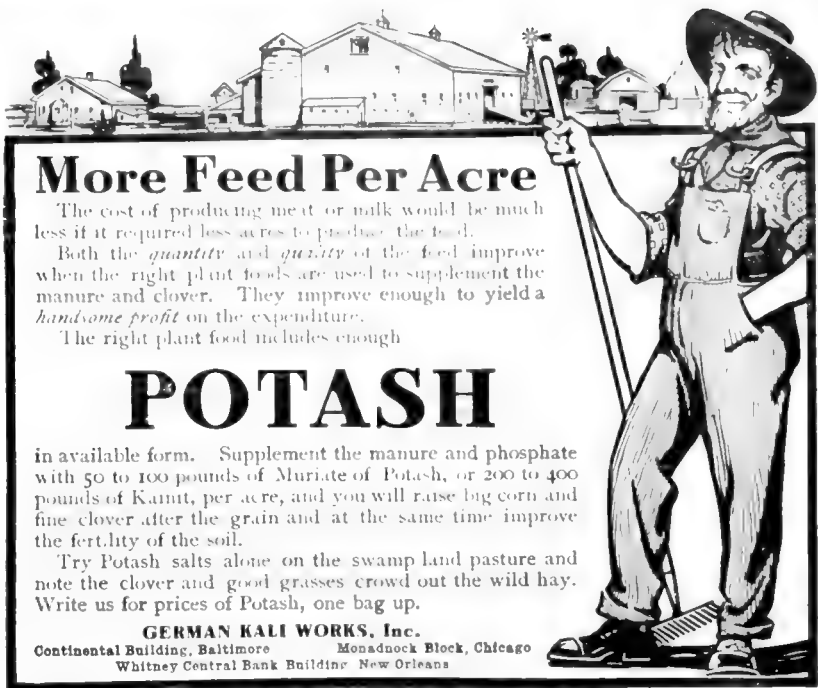
President, Andrew S. Meikle; first vice-president, William Mackay; second vice-president, John B. Urquhart; recording secretary, Daniel J. Coughlin; treasurer, A. K. McMahon; finan-



ANDREW S. MEIKLE
President of the Newport Horticultural Society.

cial secretary, John P. Harland; sergeant-at-arms, William F. Smith; executive committee, Richard Gardner, John T. Allan, Alex. MacLellan, James Robertson, Bruce Barrington, William Grey, C. M. Bugholt and Fred Franco, with the above officers.

A large vase of poinsettias was on exhibition, and as they were said to be the best ever seen here they were



More Feed Per Acre

The cost of producing meat or milk would be much less if it required less acres to produce the feed.

Both the *quantity* and *quality* of the feed improve when the right plant foods are used to supplement the manure and clover. They improve enough to yield a *handsome profit* on the expenditure.

The right plant food includes enough

POTASH

in available form. Supplement the manure and phosphate with 50 to 100 pounds of Muriate of Potash, or 200 to 400 pounds of Kamit, per acre, and you will raise big corn and fine clover after the grain and at the same time improve the fertility of the soil.

Try Potash salts alone on the swamp land pasture and note the clover and good grasses crowd out the wild hay. Write us for prices of Potash, one bag up.

GERMAN KALI WORKS, Inc.
Continental Building, Baltimore Monadnock Block, Chicago
Whitney Central Bank Building, New Orleans

awarded the bronze medal of the Society. The exhibitor was Fred Jenkins, gardener for Mrs. Cornelius Vanderbilt. The offer of a silver cup from Miss Fanny Foster was thankfully accepted as a prize for twenty-five varieties of dahlias to be exhibited at suitable times, the competition to be open to private gardeners only, and the cup to be won twice by the same exhibitor. The business session was followed by a social, which all seemed to enjoy with appropriate refreshments.

LENOX HORTICULTURAL SOCIETY.

The annual meeting of the Lenox Horticultural Society was held on December 2nd, and was largely attended, with President Foulsham in the chair. Treasurer Jack was all smiles when he read the financial report, stating that the Society had had one of the most successful years in its history, also that the surplus funds were carefully invested, and much to the members' regret asked to be excused from holding office for another term. The secretary also read his annual report, showing that the Society had elected three life members and twenty-two annual members, and everyone present was of the opinion that this had been a banner year for the Society, and the officers were accorded a hearty vote of thanks.

After the general routine of business was over, election of officers took place. Messrs. George Foulsham and George Breedman were re-elected president and vice-president. Alan J. Jenkins, treasurer, George H. H. H. re-elected secretary; and William Hooper, assistant secretary.

Messrs. E. Jenkins and A. H. W. H. gott gave an interesting account of the recent Land Exposition at New York, but neither of them were lucky enough to win any of the ferns.

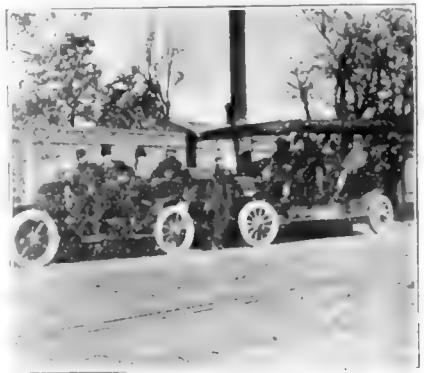
Messrs. F. H. H. and E. J. H. were appointed a committee to draw up resolutions for the next year of our life member, Captain John S. Barnes.

GEO. H. INSTONE, Secretary.

NEW YORK AND NEW JERSEY ASSOCIATION OF PLANT GROWERS.

The annual fall inspection tour of the members of the N. Y. & N. J. Association of Plant Growers took place recently. The trip took two days and the members were conveyed in automobiles to seventeen establishments on Long Island and fourteen in New Jersey.

On the Long Island trip a noon day stop was made at the dining hall of John Niederstein, Middle Village, where under Frederick Marquardt's direction a sumptuous meal had been prepared. The accompanying picture was taken at Middle Village by Miss Marie Marquardt. It will be noticed that F. R. Pierson, who occupied the front seat, was the guiding spirit of



the larger car, while the Committee's car was dominated by such large bodied men as A. L. Viles and Arthur Schaubert. Not only was the trip enjoyable, but the members had an excellent time.

The annual meeting of the New York and New Jersey Association of Plant Growers was held at the office of the secretary, William H. Siebrecht, Jr., on December 5th, and important business was transacted.

The annual election of officers took place with the following result: President, Frederick Marquardt, Middle Vil-

lage, L. I.; vice-president, Louis Schmutz, Brooklyn; treasurer, Herman C. Steinhoff, West Hoboken, N. J.; secretary, Wm. H. Siebrecht, Jr., New York City; directors, A. L. Miller, Brooklyn; Louis Dupuy, Whitestone; George Scott, Brooklyn.

It was voted to have an annual dinner and the president appointed Julius Roehrs, Jr., Louis Dupuy and Herman C. Steinhoff a committee to make all necessary arrangements.

WM. H. SIEBRECHT, JR.,
Secretary.

CONNECTICUT HORTICULTURAL SOCIETY.

Our annual meeting occurred on the 8th instant, resulting in the election of the following officials:

President, John F. Huss, Hartford; vice-presidents, J. A. Weber, Hartford, Alex. Cumming, Jr., Hartford; Carl Peterson, West Hartford; county vice-presidents—Litchfield—Walter Angus, Chapinville; Fairfield—Charles H. Plump, West Redding; New Haven—John H. Slocumbe, New Haven; Middlesex—Arthur E. Curtis, Deep River; New London—Archibald E. Mitchell, Norwich; Windham—Frank M. Smith, Willimantic; Tolland—Chauncey Turney, Rockville; secretary, George W. Smith, Melrose; treasurer, W. W. Hunt, Hartford; librarian, William T. Hall, Hartford; botanist, George W. Smith; pomologist, C. H. Sierman, Hartford; executive committee, John Gerard and George B. Baker of New Britain, and G. H. Hollister, Howard A. Pinney and Alex. Cumming, Jr., of Hartford.

The treasurer reported the society in good financial condition, with a snug balance in the treasury, and all bills paid, and with assets (consisting of two shares of Aetna Life Insurance Company stock) valued at over \$1,000. The secretary announced that the present membership, 212, is the largest in the history of the organization. Three deaths occurred during the past year, W. W. Myers, Mrs. Francis M. L. Barnes and William B. May, all of Hartford, the two latter having been life members. Mr. May was for many years the able superintendent of the sumptuous grounds of James J. Goodwin, and was succeeded in that position, in his declining years, by John F. Huss, our esteemed president. Suitable resolutions were adopted concerning the decease of Mr. May, who was one of the society's founders.

In his address the president reviewed the work of the year, referring especially to the many excellent papers presented by members last winter and spring. His views were quite optimistic for the future of the society, whose influence is gradually widening, until the membership roll embraces the entire eight counties of the Nutmeg State.

Our two fall exhibitions were fully up to our high standard of artistic merit, and were fairly well patronized. John Gerard, our pansy enthusiast, strongly advocates the holding of the Chrysanthemum Show at New Britain next fall, instead of at Hartford, and there is considerable sentiment in the society in favor of making such a trial. The free use of a large armory, and similar attractions, are proffered.

J. A. Weber exhibited three pots of *Cypripedium insigne* for which a diploma was awarded.

Owing to the nearness to the holidays, our usual second December business meeting will be omitted, and the members convene again on the second Friday of the new year.

GEORGE W. SMITH, Sec'y.
Melrose, Conn., Dec. 11, 1911.

NEW YORK FLORISTS' CLUB.

The meeting of the New York Florists' Club, held on Monday night last for the election of officers for the ensuing year, was, to say the least, a most inspiring one, sufficient in every way to impress all present with the importance of the work at hand and the ambitions of those to tackle the job. To those who attended the Baltimore convention we might say it was in great measure a parallel, with Walter F. Sheridan again acting super-



W. C. RICKARDS, JR.

Treasurer New York Florist Club.

visor of elections. Eighty-five votes were cast with the result that Joseph A. Manda, South Orange, N. J., was chosen president; Philip Einsmann, vice-president; John Young, secretary; W. C. Rickards, Jr., treasurer; and John Donaldson, Philip Kessler and Wm. Duckham, trustees. In the case of the presidency, Messrs. Nugent and Hendrickson withdraw as candidates,



JOHN YOUNG

Secretary New York Florists' Club.

leaving Mr. Manda the only choice. In the other cases keen competition went to work and good-natured rivalry showed the healthy condition of the club. John Young alone seemed to be a magnet for votes, by receiving 75 out of the 85. It was all good nature, permeated with a determination to make the club the banner organization of local societies in the United

States. Six new members were elected and five others proposed. Prof. John Craig of the Agricultural Department, Cornell, was introduced and urged the members to form part of a state organization for the purpose of demanding appropriations from the legislature for a range of commercial greenhouses to experiment and further the interests of commercial floriculture. Prof. Craig admitted the deplorable weakness of state machinery at present to assist the florist, but stated that with the help of the club the necessary funds would be obtained. He referred to acquiring a better knowledge of the science of soils and discussed the usual theories attached to experimental departments. On motion of Mr. O'Mara the proposition was laid over to next meeting, with the recommendation that the new officers would be in and that this would be something for them to do. Prof. Craig's ideas will, no doubt, cause the club to take on a renewed activity on the line of seeing how the boiler works at Albany and the first step towards this was to pass a motion tending the unanimous hearty support of the club to William F. Kasting of Buffalo for State Commissioner of Agriculture and the secretary was instructed to convey such to Governor Dix. With Kasting at the head all will know the Department of Floriculture will be well taken care of.

Messrs. Traendly, Sheridan and Young were appointed transportation committee for the club's representation at the National Rose and Carnation Show at Detroit, January 10. The awards committee reported on Totty's Sunburst rose, giving it 90 points and tendered Chas. Weber its thanks for exhibit of the new carnation Brooklyn. Among the many who took part in discussions was Beaulieu, the seedsman, who, when called up to relate conditions in Europe, stated that in Paris last summer he paid 16 cents for a bottle of water and 10 cents for a bottle of wine when illustrating the severe drought over there. We should imagine from this that French importations should have an extra value owing to their wine flavor. After the usual felicitations talks Al. Rickards' canteen department was duly attended

JOSEPH A. MANDA.

See Cover Page.

Joseph A. Manda, president-elect of the New York Florists' Club, was born in Bohemia, January 4, 1874. He came to America in 1885, and served his apprenticeship with the late Gus Bergmann at Flatbush, N. Y., 1886-87. In the following year he went to Short Hills, N. J., in the employ of Pitcher & Manda, where he had charge of the orchid department for six years and was very successful in the raising of orchid hybrid, and is credited with having raised the first orchid hybrid in America. He then started in business as an orchid expert in West Orange, N. J., and has made for himself a good record personally and in business. He is young, energetic and a hard worker in anything that looks like duty to self or fellowman, and we are sure the New York Florists' Club will have a faithful and efficient leader in Joe Manda. He has been a member of the Club for 18 years, and served on many important working committees.

THE LATEST SILVER MEDAL ROSE

The new Sargent rose, originated by Jackson Dawson, now offered for the first time for fall 1912 delivery
As this stock is limited book your orders early. \$1.50 each

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and other **EVERGREENS** for **Tubs** and **Boxes**

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BEDFORD, MASS.**

CHICAGO FLORISTS' CLUB.

The regular monthly meeting of the Chicago Florists' Club was held at Union Restaurant, Thursday, Dec. 7. The applications for membership numbered no less than 45 and by vote of the club the names of 54 delinquent members were dropped from the roll, all of which may be interpreted as a lining up for battle on some issue regarded by the members as furnishing a *casus belli*.

Baur & Steinkamp exhibited their new carnation, St. Nicholas, which scored 87 points and was awarded a certificate. Short addresses were made by John A. Evans and A. F. J. Baur of Richmond, Ind., and Mr. McKruchten.

Nominations for officers were made as follows: President, P. J. Foley, H. E. Philpott; vice-president, Carl Cropp, D. A. Robertson; secretary, A. T. Pyfer; treasurer, E. F. Winter-

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son; sergeant-at-arms, M. Frick, Geo. Gobel, Geo. Grimm; trustees, E. C. Anling, H. N. Bruns, Walter Scott

PARIS CHYRSANTHEMUM COMMITTEE.

The National Horticultural Society of France has entrusted to a specially organized committee the work done by the society in connection with the popular autumn flower. This committee is composed of a very large number of experts, mostly French. Every year since its formation the committee has issued an annual publication containing a detailed record of the past year's work. We have just received the new issue, a large octavo volume of 179 pages in which there is a good deal of matter that will interest the members besides others.

To those inspired with an affection for the "golden flower" and can read French this publication is of no little interest. C. HARMAN PAYNE.

Many a man is just about now having his good disposition massaged by the lady with the French heels because of the overdue Christmas racket. In the olden days a man looked forward to Xmas as a time of good cheer, but of late years the strain on his pocketbook has been so great that it has overbalanced the good cheer. He has come to dread the date. People of late give presents they cannot afford, and the reciprocity feeling has made it a hardship on others. Some people give presents to get presents, and, on the whole, it is certainly being greatly overdone. Now a good way to overcome this excessive giving is to give flowers. Just a few will do—enough to show a true regard for your friends and acquaintances, and at the same time not stare them in the face forever, to remind them of their duty to you another year. There is nothing more appropriate, and nothing more beautiful to demonstrate the right feeling at Xmas time. A pot of Xmas lilies is especially fine, or a medium size Azalea. Florists do well to advertise flowers especially for Xmas—boost the business. Horseshoe Brand Lily bulbs and Azaleas will give the florist good ground to work on, and if you are not prepared this year, see that you are in 1912. Order early. Send for catalogue—it will be ready soon.



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9-10 in. (200 " ")	\$11.00	\$100.00

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DAHLIAS Every Day in the Year

Obituary

James Douglas.

The news of the sudden death of this well known and highly-respected gardener and florist will be received with profound regret. Douglas was the last of the old school of florists, and his death has severed a link with the past that can never be repaired. Our own columns have frequently borne witness to his enthusiasm for such flowers as carnations, auriculas, polyanthus and tulips; indeed, Mr. Douglas was one of our oldest contributors. Only a week ago he wrote to us with respect to arrangements for contributing articles on his favorite flowers during the present season, and the first of what promised to be an invaluable series reached the office after his death. James Douglas had a pleasant way of working into his cultural articles a great deal of florists' lore which was not merely interesting, but helpful to an understanding of the true properties of the flowers which he was describing. His writings were of permanent value, because they were based on his own experience as a cultivator. No man excelled Douglas as a plant grower, and it will be remembered that he exhibited with extraordinary success at most of the great shows before leaving Great Gearys garden, Ilford, to start business as a nurseryman at Bookham. His collections of Auriculas shown at the R. H. S. meetings in recent years have excelled anything of the kind ever seen, and the Council has shown its sense of the general appreciation of them by awarding Mr. Douglas the gold medal on several occasions. His personal qualities were as high as his professional attainments, and his name was, and will remain, always associated with all that was best in the horticultural world. Amongst his public services may be reckoned thirty-two years' work on the Committee of the Gardeners' Royal Benevolent Institution, and he was not only a permanent member of the Floral Committee of the Royal Horticultural Society, but for some years represented professional gardeners on the Council of that Society. He gave continuous help to the National Auricula and Primula Society and other special societies. Douglas was awarded the Veitch Memorial Medal, and in 1899 the Victoria Medal of Honor. No man deserved these distinctions more than he, for his life and work afforded an exemplary example for the younger gardeners of the present day to emulate. —From *The Gardeners' Chronicle*, Dec. 2, 1911.

Sir Joseph Hooker.

Sir Joseph Dalton Hooker, K. S. C. G., F. R. S., one of the most famous naturalists, retired surgeon, R. N., died in London on Dec. 11, at the age of ninety-four. He was born in the purple science. His father was Sir W. F. Hooker, whom he succeeded in 1865 as director of Kew Gardens. Father and son transformed and beautified the national gardens and made them not only one of the most enjoyable resorts in London, but the source of perpetual benefit to the nation by acclimatizing

and developing in them useful and ornamental plants.

Sir Joseph Hooker was educated at the high school and University of Glasgow, where he took his medical degree in 1839. When only twenty-two he accompanied, as assistant surgeon, in reality as a naturalist, the famous Antarctic expedition of Sir James Clark Ross in the Erebus and Keroo. On his return he became botanist to the Geological Survey of England. In 1847 he went to India to investigate the plants of tropical countries and the flora of the Himalayas. He was captured and held prisoner by the Rajah of Sikkim in order to extort a more favorable treaty from the Indian Government. As a punishment Great Britain annexed Southern Sikkim.

Sir Joseph was elected president of the Royal Society in 1873. He published many excellent works on botany and received numerous decorations and honorary degrees.

Meta Phillips Landreth.

Meta Phillips Landreth, wife of Capt. Burnett Landreth of the David Landreth Seed Co., died on the 10th inst., at Washington, D. C., aged 64. Funeral services were held at the family residence, Bristol, Pa., on the 13th inst. Mrs. Landreth is survived by her husband, three sons and one daughter, Burnett Jr., S. Philip, David and Frances H.

CLUB AND SOCIETY NOTES.

The Chicago Florists' Club listened to an entertaining talk on business prospects in South America at the meeting on Dec. 7. It was given by J. McHutchison, of New York.

On Monday night, November 27, F. W. Kelsey addressed the Tenaflly Borough Club at Tenaflly, N. J., on the topic of "Parks and playgrounds." Mr. Kelsey is well informed on this subject and his lecture was enthusiastically received.

An interesting meeting of the Bar Harbor (Me.) Horticultural Society took place on Dec. 7th. Two papers, "The Future of the Bar Harbor Horticultural Society," by P. W. Blanchard, and "Mushroom Culture," by Arthur E. Chilman, gardener to Mrs. Joseph T. Bowen, were read.

At a regular meeting of the Fall River (Mass.) Florists' and Gardeners' Association held Dec. 6, the following officers were elected: President, E. T. Lawton; vice-president, William Stafford; secretary, J. R. Pee; treasurer, J. Warburton; trustee, E. T. Lawton, C. Warburton and Paul de Nave.

The Englemann Botanical Club met Monday night, Dec. 11th, in the lecture room at the Missouri Botanical Garden, St. Louis. Mr. W. W. Chlweiler's paper on "Recent Developments in Our Knowledge of Stomata," was well received. The attendance was large. Some new features are on for the January meeting.

All officers of the Milwaukee Florists' Club were reelected at the regular meeting held Dec. 7. The subject of the recent flower show was informally discussed. It is thought best by some to omit the 1912 show altogether and concentrate the efforts on the one

for 1913. The club is now in the best condition in its history.

The preliminary schedule of prizes for the American Rose Society, co-operating with the American Carnation Society and the Detroit Florists' Club in the exhibition at Detroit, January 10, 11 and 12, 1912, has been issued. It is a liberal list and all interested should send to Benj. Hammond, Fishkill, N. Y., for a copy.

The preliminary premium list of the Horticultural Society of Chicago for their first spring exhibition, to be held March 12 to 17, 1912, has been sent out and those interested may procure copies from the secretary, J. H. Burdett, 1620 W. 104 Place, Chicago. There are 142 classes, aggregating \$2,434.00 in premiums besides numerous medals, etc.

The Cincinnati Florists' Society assembled for their regular monthly meeting at their club rooms. The meeting was mostly routine work. The president's desk was gaily decorated with specimen plants of begonias, one a sport of Lorraine, shown by Schumann & Wahlers that is much of an improvement over the old, and some Glory of Cincinnati plants by J. A. Peterson.

Albert Sylvester, chairman of the Transportation Committee for the joint convention in Detroit next January, requests all intending exhibitors to address their exhibits Exhibition Wayne Gardens, Detroit, Mich. Sometimes an exhibitor addresses his flowers to a local friend who perchance may live outside the regular delivery zone and thereby brings about an unavoidable delay of no less than 24 hours.

The New York Gardeners' Society's reunion, dinner and bowling tournament on Dec. 21st, promises to be the greatest pleasure event in many years. Many gardeners, greenhouse builders, seedsmen, nurserymen and landscape gardeners in and about New York have notified their intention not to miss any part of the program. A celebrated highland piper will bring back memories of home to many. Rickards Bros. will have charge of the music and songs, Chadwick and Schultz the side shows; Everett, Duff and Manda the prize bowling; Marshall, Scott and Donlan the commissary and so on. It is hoped that enough good bowlers from each society will attend and compete for the prizes offered for club or society teams. In such manner all the old and young ones will just have one jolly big Christmas time of it. The drawing for the two vases will take place immediately before the bowling.

Room will be made for late comers but let us know just as soon as you can.

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4 in. pots,	6 ins. high, 2 to 3 tiers.....	\$.30 each
5 in. pots,	10 to 12 ins. high, 3 tiers.....	.40 each
5 in. pots,	14 to 16 ins. high, 3 to 4 tiers.....	.60 each
6 in. pots,	16 to 18 ins. high, 4 tiers.....	.75 each
6 in. pots,	18 to 20 ins. high, 4 tiers.....	1.00 each
7 in. pots,	20 to 24 ins. high, 4 to 5 tiers.....	1.25 each

ARAUCARIA EXCELSA GLAUCA

5 in. pots,	10 to 12 ins. high, 3 tiers.....	\$.75 each
6 in. pots,	13 to 15 ins. high, 3 tiers.....	1.00 each
7 in. pots,	16 to 18 ins. high, 4 tiers.....	1.50 each

ARAUCARIA EXCELSA ROBUSTA COMPACTA

5 in. pots,	10 to 12 ins. high, 2 to 3 tiers.....	\$.75 each
6 in. pots,	12 to 14 ins. high, 3 tiers.....	1.00 each
6 in. pots,	14 to 16 ins. high, 3 to 4 tiers.....	1.25 each
7 in. pots,	16 to 18 ins. high, 4 tiers.....	1.50 each

ARAUCARIA EXCELSA PLUMOSA

A splendid variety, almost as compact as Robusta Compacta, and of a richer, deeper color.

5 in. pots,	10 to 12 ins. high, 3 tiers.....	\$.65 each
6 in. pots,	12 to 14 ins. high, 3 tiers.....	.75 each
6 in. pots,	16 to 18 ins. high, 4 tiers.....	1.00 each

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Our Catalog covers these, and will be ready Jan. 1. Have your name added to our mailing list

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CROMWELL, - - CONN.

Rooted Rose Cuttings NOW READY

Kaiserins, per 100, \$3.50; per 1000, \$25.00
Perles, " " 3.50; " " 25.00
Maryland, " " 2.00; " " 15.00

All are choice well rooted stock from flowering wood.

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Look in the "Buyers' Directory" of this issue and you will probably find represented there somebody who can supply you. It's a good plan to look it over every week, for the weekly changes and additions are many.

See?

A JOY FOR EACH IN CHRISTMAS ATTIRE HOLIDAY! HOLIDAY! HOLIDAY!

**Azaleas in bloom for Xmas,
to burn, to burn, to burn.**

If you should get left in not getting enough blooming Azaleas for Xmas, don't forget that Godfrey Aschmann is right in it for you to supply your wants. The best blooming Azaleas in the country. **Simon Mardner, Mme. Petrick, Deutsche Perle, Vervaeana, 75c., \$1.00, \$1.25, \$1.50, \$2.00**, full of flowers and buds. Only a few 75c. sizes will be given to an order, larger sizes must accompany the order.

Jerusalem Cherries, we have the largest lot in the country, big, bushy, 6 in. pot, well covered with big, red, ripe berries, 35c., 50c., 75c. to \$1.00.

Leader in Araucaria Excelsa, 5½-6 in. pots, 3-4-5 years old, 3-4-5-6 tiers, 16-18-20-25-30 in. in height, 50c., 60c., 75c. to \$1.00.

Araucaria robusta compacta, 3-4 years old, best of stock.

Araucaria glauca, perfect jewels, nothing better in the world, \$1.00, \$1.25, \$1.50, \$2.00. Remember the only headquarters for Araucarias.

Next we have four houses jammed full of the **Choicest Ferns**, such as Nephrolepis Bostoniensis, Whitman, Scholzell, Scottii and Glazasii in 5, 5½, 6 and 7 inch sizes, at 25c., 35c., 40c. and 50c. Seven inch pots almost as big as a bushel basket, only 75c. to \$1.00.

Wilsoni Ferns, 6-inch pans, 3 plants in a pan, very strong and bushy, 25c. per pan. A big assortment of **Dish Ferns** from 2½-in. pots, big, bushy stock, \$5.00 per 100.

Rubber Plants, ficus elastica, large, 6-inch, 25-30 inches high, 40c.-50c.; 5½ inch, 25c.-35c. Large, 7 inch, 30 inches high, all

staked up, 75c. to \$1.00. Our rubbers never were so nice as this year.

Kentia Forsteriana, 6-inch pots, 25-30-35-40 inches, 75c., \$1.00, \$1.25, \$1.50, \$2.00.

Kentia Belmoreana, 5½-inch pots, 20-25 inches high. A bargain seldom offered. Only 50c.; 6-7 inch pots, large plants, \$1.50 to \$2.00. Combination plants made up, big stock, 6-inch pots, 60c., 75c., \$1.00. A bargain!

Latanica Borbonica, choice, fine palms, 7-inch pots, 8 leaves, 30-inches high, 75c. to \$1.00. **Combination Latania** made up, 6-inch pots, 25 inches high, 50c.

Chinese Primroses, 4-inches, \$1.00; 5½-inches, \$2.50 per dozen.

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Areca Lutescens, 4-inch, 18-20 inches high, 15c., 20c., 25c.; 5½-inch, 30c.

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Extra fine plants.

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A grand improvement on Little Gem, being much more compact; grand for bedding. Trade pkt. 25c., oz. \$1.00.

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Rose.....	.20	.60
Flesh-Color.....	.20	.60
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Scarlet.....	.20	.60
Red-Lilac.....	.20	.60
Finest Mixed.....	.20	.60

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Gigantic single flower having the edges deeply ruffled or fluted; fine substance, with deep white thrills. 1/2 trade pkt. 60c., trade pkt. \$1.00.

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Schlageloides, 1 1/2 ft. single.....	.25

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	Trade pkt.	Oz.
(True Irish). Small-leaved 1/2 trade 25c.....	\$0.40	\$1.00

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	Trade pkt.	Oz.
Chara Bedman (Bonfire). 1 1/2 feet.....	\$0.25	\$2.00
Splendens (Scarlet Sage).....	.25	1.50
Splendens, Ball of Fire. Very dwarf and early.....	.25	3.50
Splendens aucubaefolia (Silverspot).....	.25	2.50
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Splendid rose carmine Dwarf.....	.50	
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Boddington's Quality Large-Flowering German Ten-Weeks Stocks.

	Trade pkt.
Brilliant Rose.....	\$0.25
Canary-Yellow.....	.25
Crimson.....	.25
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Violet-Blue.....	.25
Purple.....	.25
Flesh Color.....	.25
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Scarlet.....	.25
Snow-White.....	.25
Fine Mixed.....	.25

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These splendid Stocks will flower continuously through the summer if sown early.

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Princess Alice, white.....	\$0.25
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Canary, yellow.....	.25
Flamingo, blood red.....	.25
Blue Jay, light blue.....	.25
Violet, dark blue.....	.25
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Pyramidal long spikes of large double flowers, splendid for glass culture and for florists' purposes. Trade pkt. 25c., 1/4 oz. \$1.25, 1/2 oz. \$2.00, oz. \$3.75.

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Boddington's Mammoth Hybrids. A strain of very vigorous growth, producing trusses of large flowers of brilliant and varied colors.....	\$0.25	\$1.25
Mixed.....		
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Rosea alba, rose and white.....	.25
Mixed.....	.25

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Another "Pure Seed" Bill Introduced.

Curtis Nye Smith, legal representative for the American Seed Trade Association, calls the attention of our readers to the fact that Congressman Mann, on December 5th, filed another bill H. R. 14483, entitled "To regulate Foreign Commerce by prohibiting the admission into the United States of certain adulterated seeds and seeds unfit for seeding purposes," copies of which may be secured from the Clerk of the House of Representatives, U. S., Washington, D. C.

NOTES.

Roswell, N. M.—The Farmers' Supply Co., a new seed store, has been incorporated with a capital stock of \$10,000. E. W. Mitchell and R. P. Bean will have charge.

Grand Rapids, Mich.—Laverne F. Jones, formerly proprietor of the L. F. Jones Seed Co., was adjudged bankrupt on his own petition on Dec. 2. Liabilities, \$11,000; no assets.

Santa Clara, Calif.—The Morse Seed Co. has just completed the work of installing twenty-four additional seed-sorting machines and a ten horsepower motor at their quarters in the Cured Fruit Warehouse.

CATALOGUES RECEIVED.

Geo. R. Pedrick & Son, Pedrickton, N. J.—Surplus vegetable seed price list, crop of 1911.

H. V. Lawrence, Falmouth, Mass.—"Christmas Greens." An attractive retail announcement.

F. C. Heinemann, Erfurt, Germany.—Special Trade Offer, Novelties, 1912. A finely illustrated catalogue of flower and vegetable seed novelties.

M. Herb, Naples, Italy.—General Catalogue of Vegetable and Flower Seeds, for 1911-1912. Printed in three languages; a large and useful list.

L. Merton Gage, Orange, Mass.—Catalogue of Choice Gladiolus Bulbs from the "Gladiolus Gardens." A list which every grower should have.

Watkins & Simpson, London, Eng.—Special Offer of Flower Seeds, Season of 1912. Also Recent Novelties and Specialties in Vegetable and Flower

Seeds, 1912. Both lists are finely illustrated.

A. Schultheis, College Point, N. Y.—Wholesale Price List of Foliage, Flowering and Ornamental Decorative Plants for Fall 1911 and Spring 1912. Full of good sellers for Christmas and Easter.

Peter Lambert, Trier, Germany.—Rose Catalogue, Season 1911-1912. As usual, a very extensive list; illustrated and with a portrait in natural colors, of Grossherzog Friedrich (Caroline Testout × Meta) on the cover.

Joel Shomaker, Olympic Nature Nursery, Nelita, Washington.—This is not a large list but a good one of small fruits, shrubs, ferns and herbaceous plants. Mr. Shomaker is a new operator and hopes to develop from small beginnings to a large and prosperous concern.

A. T. Boddington, New York City—Boddington's Garden Guide, Spring, 1912. We always look with interest for the arrival of this annual visitor for the title page is sure to present some unique and artistic conception by Mr. Bunyard. In the present instance sweet peas in lavender, gold and green are the subject of design and, treated in semi-conventional manner, they form a pretty picture. The contents of the book are strictly up-to-date, as might be expected from this well-known and enterprising house. We note among the hardy plant novelties offered several of the new Wilson collections, including the splendid Clematis montana rubens. Many of the illustrations in this catalogue are very beautiful.

INCORPORATED.

Greenwich, Conn.—The Interstate Tree Co., for "the sale, culture, spraying and general care of all kinds of trees and shrubbery"; capital stock \$10,000.

Mitchell, S. D.—"The Newburys," to do a nursery business; capital stock, \$100,000. Incorporators, Chas. E., Edwin C., Elizabeth A. and Jessie E. Newbury and Frank J. Herrick.

Buffalo, N. Y.—The Rachael M. Rebstock Co., to do a business cultivating and dealing in plants, shrubs, trees, etc., capital stock, \$10,000. Incorporators, E. Chretien, F. C. Chretien and James V. Walsh, all of Buffalo.

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Cor. Michigan Ave. and 31st St., CHICAGO

Member Florists' Telegraph Delivery Assn.

We ship to all points in Illinois and Iowa.

Phones: Aldine 880. Aldine 881. Aldine 882.

SAMUEL MURRAY

Kansas City, Mo.
 913 Grand Ave.

Member of the Florists' Telegraph Delivery

All Orders Given Prompt and Careful Attention

The Park Floral Co.

J. A. VALENTINE
 Pres.

Member Florists' Telegraph Delivery

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
 City and any town in Missouri or Kansas.

Of Interest to Retail Florists

Hopkinsville, Ky.—The store of T. L. Metcalf, at 210 West Fifth street, has been closed.

Denver, Col.—The Gross Floral Co. has moved to 136 Sixteenth street from 131 Broadway.

Shawnee, Okla.—The Brenner Floral Co. has been declared in bankruptcy and the stock ordered sold.

STEAMER DEPARTURES

Allan.
 Numidian, Boston-Glasgow Dec 21
 American.
 Philadelphia, N. Y. Southampton Dec 23
 Cunard.
 Lusitania, N. Y. Liverpool Dec 27
 Savona, Boston Liverpool Dec 28
 Hamburg-American.
 Pres. Lincoln, N. Y. Hamburg Dec 21
 Holland-America.
 Noordam, N. Y. Rotterdam Dec 19
 Leyland.
 Behnam, Boston Liverpool Dec 21
 Red Star.
 Lapland, N. Y. Antwerp Dec 20
 Kronland, N. Y. Antwerp Dec 27
 White Star.
 Celtic, N. Y. Liverpool Dec 21
 Olympic, N. Y. Southampton Dec 21
 Cinopole, Boston-Mediterranean Dec 20

Newtonville, Mass. It is reported that H. A. Mansfield, retail florist, 67 Walnut street, has given up his business.

New Castle, Ind. The packing and retail departments of the South Park Floral Co. are now in charge of William Bernecke.

Providence, R. I.—Henri Patri is now proprietor of the retail flower store recently opened by C. S. Hughes at 82 Westminster street.



SUCCESSFUL FLORISTS

all over the country are using McCray Refrigerators. The circulation of air is so strong and steady that there can be no stagnation or dampness, so that your stock will always be fresh and fragrant. Furthermore the saving in ice will more than pay for the cost.

McCray Refrigerators

will lend attractiveness to your shop. Beautifully made and finished, they are lined with white enamel, opal glass, tile, mirrors or marble, as you desire. Write today for our catalog No. 72 which will give you ideas how to add to the attractiveness of your establishment.

MCCRAY REFRIGERATOR CO.

Chicago Office, 55 Wabash Ave. 353 Lake St., Kendallville, Ind. New York Office, 231 West 42nd St.

CHICAGO NOTES.

Holiday Decorative Stock.

Whatever the bulk of the holly may prove itself to be, the advance boxes are good stock, with plump scarlet berries thickly strewn over it, and the best boxes are bringing five dollars. Somehow the earliest shipments always make a name extremely hard for later arrivals to live up to, but as usual the florist is hopeful. Ilex berries have given unmistakable evidence of their nearness to perfection. Full round berries and quantities of them from the Michigan woods are now decorating the florists' windows and being made into wreaths, usually one-half of the wreath being of some other material. Two dollars per box is asked for the ilex. The market on bouquet wreathing is a little uncertain. The earliest shipments brought eight and ten cents per pound, but now the price has dropped to six cents, and a certain enthusiasm of former years is lacking. Evergreen wreathing is selling about as last year. Christmas trees, great and small, are here in quantity, with large shipments of spruce and pine from Maine tending to keep prices down. The little table trees are selling well, judging from the number seen in the shoppers' arms. The department stores have made them leaders, and cut heavily into the florists' local sales. The popularity of the little tree is now assured, the wholesale houses handling thousands during the month of December. The scarlet and green roping, which took so well last year, promises to do the same this year, the scarlet especially. Christmas bells reached the street corner stands in such quantities in past years that only the better qualities can be said to be popular now, while the stars are decidedly on the wane. There is nothing altogether new offered for the Christmas of 1911.

All the retail florist stores have on their holiday dress and they never looked more tastefully attired than at this time. Nothing surprisingly new is noted in materials, but there is more simplicity and elegance in the arrangement in many instances.

Personal.

Philip Eichling is back for the holidays, taking his old place with Harry Roper.

Mrs. Fred Strail is with the extra force needed at J. Mangel's for the holiday trade.

Jos. Curran, well known to the trade for a quarter of a century, has been a month in Mexico, where the milder climate is expected to be of benefit to him. He has been in very poor health for the past year.

Visitors: John H. Bockmann, of A. T. Boddington, New York; J. A. Evans, Richmond, Ind.; Miss Agnes Rigden, Ottawa, Ill.; P. N. Obertin, Kenosha, Wis.; Edw. Amerpohl, Janesville, Wis.; A. L. Glaser, Dubuque, Ia.; A. Currie, Milwaukee, Wis.; J. Meiklejohn, N. Y.

PERSONAL.

Mrs. J. Austin Shaw of Brooklyn, N. Y., is planning to spend the winter in Bermuda.

Charles Wackling has taken charge of the greenhouses of the Kemble Floral Co., Oskaloosa, Ia.

Henri Beaulien of Woodhaven, N. Y., has arrived home from his business trip to France, well satisfied with the results of same.

Harley M. Wallbridge has accepted the position of assistant manager in the wholesale store of J. M. Gasser & Co., Cleveland, O.

Miss Mae Carroll, who was in charge of the books at D. Rusconi's, Cincinnati, and also represented him on the road, is no longer with him.

Joseph Fahey, of Thomas F. Galvin's, florist, Boston, Mass., is convalescing from a recent sickness and will be back in the store next week.

Fred Jenkins, head gardener for Mrs. Cornelius Vanderbilt at "The Breakers," Newport, R. I., has resigned his position, and his action is much regretted by the many friends he has made during his short stay in Newport.

H. V. F. de Thestrup has resigned his position as foreman and grower for Frank P. Putnam, North Tewksbury, Mass. Mr. De Thestrup has made an enviable record as a carnation and antirrhinum grower for the Boston market and is now open for engagement elsewhere.

Philadelphia visitors: D. Cameron

Sander & Sons, St. Albans, England; E. A. Seidewitz, Baltimore, Md.

Visitors in New York—Wm. Sim, Cliftondale, Mass.; Thomas Roland, Nahant, Mass.; P. Welch, Boston; George C. Watson, Philadelphia.

Visiting St. Louis—Guy Reaburn, representing A. Henderson Co., Chicago, highly elated with the success which this new firm has attained and the excellent prospects for the coming year.

Cincinnati visitors: Frank Roany, Philadelphia; J. A. Keller, Lexington, Ky.; J. Q. Mulford, Lebanon, Ohio; P. M. Halbrooks, Columbus, Ohio; L. P. Lord, Minneapolis, Minn.; G. Reiniger, Dayton, Ohio.

Visitors in Boston—J. R. Fotheringham, representing F. R. Pierson Co., Tarrytown, N. Y.; H. A. Bunyard, representing A. T. Boddington, New York city; Ed. Roehrs, Rutherford, N. J.; J. J. Karins, representing H. A. Dreer, Phila.; Harry Holmes, Harrisburg, Pa.; N. B. Keeney, LeRoy, N. Y.; Charles Loechner, New York.

XMAS GREENS

Laurel Roping, Laurel Wreaths
Wild Smilax, Boxwood, Holly,
Partridge Berries in bunches and
bowls, Native Ferneries, etc., etc.
If you want THE BEST order
from us.

Hartford & McDonough
70 PEMBERTON SQ., BOSTON

IN THE SWIM

*I must be in the swim,
You might forget my name,
And say that I am to blame,
If you do not get the best.*

Christmas Trees, Spruce or Balsam, from one foot to thirty, in any quantity; Baled Spruce, Balsam, Hemlock Boughs, Laurel and Evergreen Festoons and Wreaths, Sphagnum Moss, Hardy Cut Fancy and Dagger Ferns, Yearly Contracts Made. Send for Price List and order your Christmas Trees now. GET THE BEST.

H. J. SMITH, Hinsdale, Mass

FRANK H. TRAENDLY

CHARLES SCHENCK

TRAENDLY & SCHENCK

Wholesale Florists

131 WEST 28th STREET - - NEW YORK

'Phone, 798-799 Madison Square

ANNOUNCE FOR THE SEASON

The Finest Collection of the Latest Varieties in Roses and Carnations

ROSES

Mme. Abel Chatenay, Prince de Bulgarie, Radiance, Mrs. Aaron Ward, Dark Pink Killarney, Killarney, White Killarney, Richmond, Maids and Brides.

CARNATIONS

All the latest and fancy varieties of excellent quality.

CATTLEYAS

WE are the LARGEST receivers of Cattleya and many other varieties of Orchids in the city.

BULBOUS

Lilies, Lily of the Valley, Narcissii, Hyacinths, etc.

VIOLETS

The finest quality of Violets and no order too large.

SMILAX

ASPARAGUS

SPRENGERI

STEVIA

TRAENDLY & SCHENCK

Flower Market Reports

BOSTON

The continued unseasonable hot weather has had an unforeseen and disastrous effect on business and on much of the stock being received. Roses especially are coming in soft and lacking the stamina which made them so sturdy looking a few days ago. What the effect will be on the Christmas product is not yet apparent, but there is certainly some food for anxiety. The grower who is wise—realizing the situation will, for the time being, cut his roses in a more immature state so that their keeping qualities may be preserved. Carnations are not overplentiful and are hardly up to standard set in previous years at this date, a condition which may be due more or less to the weather conditions. Lily of the valley is in good quality and full supply, but market value is low, quality considered, and the same is true of sweet peas, which are selling for less than they are intrinsically worth. Longiflorum lilies are all right and with paper white narcissi are enjoying a normal call. Violets fluctuate from day to day in quantity and in demand and are a cause of constant perplexity to the wholesale dealer. Chrysanthemums are not quite finished, but the remnants in sight are of little value. Orchids and gardenias in moderate supply and moderate demand. A few poinsettias are in.

The sale of green material is already far in excess of the previous record for so early and the advance orders booked for holly, boxwood and laurel indicate an unprecedented demand for all such stock.

BUFFALO

It looked as if Indian summer had come upon us the past week as throughout the week the mercury registered no lower than 40 degrees. Bright, sunshiny days did not bring on stock any faster than could be consumed, as chrysanthemums were practically over and the demand concentrating on other lines. Up to Friday there was a scarcity of medium roses and carnations and prices had advanced a notch, though there was sufficient other stock such as narcissus, lily of the valley, violets, Roman hyacinths, stevia, etc. Beauties are improving in quality in the long grades, but the short are poor, with only a slight demand. Richmonds are fine, also Killarneys and Bonsilene sells well. Violets have light demand. On Friday and Saturday there was enough of everything to supply all. The florists are in condition for a good holiday hustle and the outlook is promising for a busy ending of the month.

CHICAGO

The week following Thanksgiving was an unsatisfactory one. Warm, damp weather prevailed and only a few hours of sunshine have been noted for ten days. Stock is feeling the result and unless colder and clearer weather comes soon to relieve the strain stock will not be at its best for the holidays. Carnations are particularly needing the sunshine and prices have been low all the week. Roses are a little less in demand than last month for trade in general has not been up to the average. Counters are looking bare since the great bulk of chrysanthemums are gone. Some very fair specimens are

seen here and there, the most of the stock, however, being short and weak stemmed. A few Chadwick are expected to hold on till Christmas. Some fine mignonette with 24-inch stems is seen. Violets are of good quality considering the mild weather, and sell out fairly well. Paper whites are everywhere and many bunches are finding their way to the barrel. Killarney is queen of the roses now and will play a big part in the Christmas trade. Beauties are keeping their growers hoping and praying for sunshine.

CINCINNATI

Last week closed badly enough. The start of this week followed in the footsteps of the close of the preceding one. The volume of business transacted was large, but not nearly enough to take up all the stock. A week and a half of spring-like weather pushed out roses and carnations in particular. From Sunday of this week until the middle the rain man held sway and tortured the long-suffering mortals with a continuous rain. It did not, however, defer the shoppers. It is a trifle early as yet for them to place their Christmas orders with the florists, but they will be dropping in before long. In roses, Killarney are coming into crop splendidly, and will be at their best just before the 25th of the month. The supply of other roses, too, is good. The growers of poinsettias in this vicinity expect to be able to have heavy cuts of choice stock any time from now on as they are needed. Carnations are in heavy supply owing to the warm weather. The quantity in this line is in-

ROSES FOR CHRISTMAS

BEAUTIES

Killarney

Richmond

Maryland

The supply of the above-mentioned Roses will be very large with us and on account of this we can quote you very attractive prices for the Holidays; and we know in nothing else can we offer you the same value. The quality of this stock is fine and we can assure you no better roses are coming to this market. Our stock consists mostly of the medium and better grades and Specials in Beauties; short and medium Beauties are not plentiful.

Bronze Galax per case, \$7.50

THE LEO NIESSEN CO. Wholesale Florists N. E. Cor. 12th and Race Sts. **Philadelphia**

THE BEST LETTERS

FOR **R** THOSE
FLORIST'S MADE
USE BY THE

Boston Florist Letter Co

66 PEARL ST., BOSTON

N. F. McCarthy, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock.

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EDWARDS FOLDING BOX CO

MANUFACTURERS
PHILADELPHIA, PA.

PETER REINBERG
WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

George B. Hart

WHOLESALE
FLORIST

24 Stone St., Rochester, N. Y.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention to shipping orders. Jobbers of Florists' Supplies, Seeds and Bulbs. Price list on application.

Phone Main 54. 316 Walnut St., Cincinnati

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	BOSTON Dec. 14	CHICAGO Dec. 12	ST. LOUIS Dec. 12	PHILA. Dec. 12
Ara. Beauty, Fancy and Special.	40.00 to 50.00	35.00 to 50.00	40.00 to 50.00	35.00 to 50.00
Extra	20.00 to 30.00	20.00 to 30.00	25.00 to 30.00	20.00 to 30.00
No. 1	8.00 to 12.00	20.00 to 30.00	10.00 to 15.00	10.00 to 15.00
Lower grades	0.00 to 8.00	10.00 to 20.00	6.00 to 8.00	5.00 to 10.00
Richmond, Chateaux, Fancy & Spl.	6.00 to 12.00	20.00 to 35.00	5.00 to 8.00	5.00 to 12.00
Lower grades	2.00 to 4.00	10.00 to 20.00	3.00 to 4.00	3.00 to 6.00
Killarney, Maryland, Fan. & Spl.	6.00 to 12.00	15.00 to 25.00	5.00 to 8.00	5.00 to 12.00
Lower grades	2.00 to 3.00	6.00 to 12.00	3.00 to 4.00	3.00 to 6.00
Bride, Maid, etc.	2.00 to 8.00	3.00 to 8.00	4.00 to 5.00	3.00 to 8.00
Taft, Hillingdon, Ward	4.00 to 15.00	10.00 to 15.00	1.00 to 4.00	6.00 to 15.00
CARNATIONS, First Quality	3.00 to 4.00	8.00 to 10.00	3.00 to 4.00	5.00 to 8.00
Ordinary	2.00 to 3.00	4.00 to 6.00	1.00 to 2.00	3.00 to 4.00
MISCELLANEOUS				
Cattleyas	40.00 to 50.00	60.00 to 75.00	40.00 to 50.00	40.00 to 75.00
Lilies, Longiflorum	6.00 to 10.00	10.00 to 12.50	10.00 to 12.50	8.00 to 15.00
Callas	8.00 to 12.00	10.00 to 12.50	10.00 to 12.50	10.00 to 15.00
Lily of the Valley	2.00 to 4.00	3.00 to 5.00	3.00 to 4.00	2.00 to 4.00
Narciss., Paper White	1.00 to 2.00	2.00 to 3.00	3.00 to 4.00	2.00 to 4.00
Roman Hyacinths	1.00 to 2.00	2.00 to 3.00	3.00 to 4.00	2.00 to 4.00
Violets	.75 to 1.00	1.00 to 1.50	.40 to .75	.25 to 1.50
Stevia	1.00 to 1.50	1.50 to 2.00	2.00 to 3.00	1.00 to 1.50
Mignonette	2.00 to 4.00	3.00 to 10.00	1.00 to 1.50	3.00 to 6.00
Sweet Peas	.40 to .50	1.00 to 1.50	.50 to .75	.75 to 1.50
Gardenias	25.00 to 30.00	25.00 to 40.00	1.00 to 1.25	17.00 to 33.00
Adiantum	1.00 to 1.25	1.00 to 1.00	1.00 to 1.25	1.00 to 1.50
Smilax	12.00 to 15.00	12.00 to 15.00	12.00 to 15.00	12.50 to 20.00
Asparagus Plumosus, strings (100)	50.00 to 50.00	50.00 to 75.00	35.00 to 50.00	40.00 to 75.00
" & Spreng. (100 bchs)	25.00 to 50.00	25.00 to 50.00	17.00 to 25.00	35.00 to 50.00

J.A. BUDLONG

82-84-86 E. Randolph St., Chicago

OUR STOCK IS A-1 AND IT IS QUALITY NOT PRICES THAT TALKS

Chicago Flower Growers' Association

Wholesale Growers of Cut Flowers and Plants

176 N. MICHIGAN AVE., BETWEEN RANDOLPH AND LAKE STREETS, CHICAGO

HENRY M. ROBINSON & CO.

15 Province St., 9 Chapman Pl.,
BOSTON, MASS.

Everything in Flowers

Complete Stock of Florists' Greens,

Three Floors of Florists' Supplies.

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000... \$1.75; 50,000... \$7.50. Sample free.
For sale by dealers

Flower Market Reports

(Continued from page 875)

creasing nicely. The cut of bulbous stock is assuming large proportions and they will be quite a factor as the market tightens and relieves the present over supply. Lilies, callas, orchids, lily of the valley and stevia are having a fair call. The same is true of New York double and single violets. Taken as a whole, the market is having as usual early December slowness. The very great bulk of the demand is for flowers for funeral purposes. Everything is bound to get to rushing as the holidays approach. The market for greens, boxwood and Christmas decorative material is brisk.

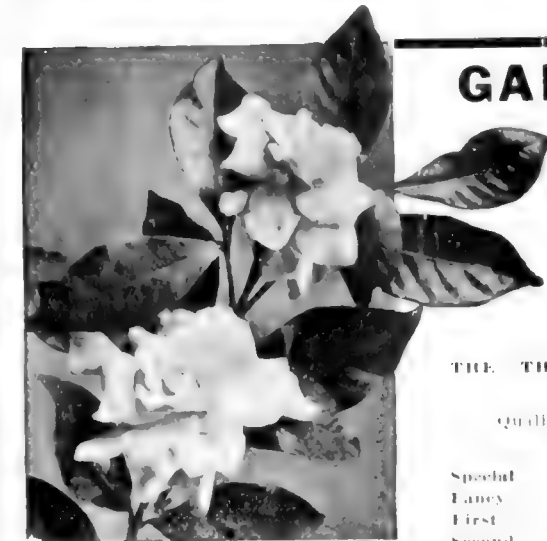
Everybody is hustling for immediate orders, which are quite frequent nowadays, as also to be fully stocked up for the coming holidays. Plant growers are booking orders daily either for local deliveries or shipment and wholesale houses are well stocked up with the best in ferns, wild smilax, boxwood, laurel-roping, natural and red statice, etc. Local enterprise therefore has, so to say, brought everything to the retailer's store and there is nothing to prevent an easy exchange of product for the mutual benefit of all concerned.

The extreme warm weather for this season of the year which has prevailed during the past week has caused a lull in the market. Prices remain fair, with a plentiful supply, and a slow demand. Chrysanthemums are practically extinct. There are few late blooms that the growers have held for the holiday trade. The price is quoted at \$6 per dozen.

The trade is anxious to see a cool spell to stimulate the demand.

The market last week was in very good condition and all four wholesalers had plenty of everything that is seasonable and at prices that the trade thought a little high considering that the business during the week had been a little off color as to social work. All are busy with preparations for Christmas and their show houses are filled up with some extra fine blooming plants. The market offers some extra good stock in roses, violets, carnations, Roman hyacinths, paper whites, lilies and a few chrysanthemums of the Mrs. Jerome Jones, Chadwick and Nonin varieties, but chrysanthemums have seen their best days for this season. Outlook for a good Christmas is the report from nearly all our retailers.

Washington during the past week experienced weather conditions equal almost to that of summer. There has been a large demand for flowers for various purposes, which has kept things moving well. The season of entertainments is now at hand and the social whirl will soon be in full swing and society will, as usual, utilize large quantities of cut flowers. The storekeepers are now using quite a quantity of plants and flowers to set off to advantage the goods in their display windows. It is believed that the holiday trade this season, this year, will prove even more successful and profitable than that of 1910, and,



GARDENIAS

Beautiful, pure white flowers of good size and splendid quality.

	per doz
Special	\$6.00
Medium	5.00
Short	3.00

THE THREE KILLARNEYS AND MARYLAND

Quality exceptionally choice

	per 100
Special	\$20.00 and \$25.00
Lacey	15.00
First	10.00
Second	8.00

As a special we offer them in lots of 100, our selection as to variety, all good stems, **at \$10.00 per 100.** This is an offer of unusual value.

POINSETTIAS—per 100, \$25.00 and \$30.00; the larger ones, \$40.00, with a few at \$50.00.

BOXWOOD—50 lb. cases, \$7.50.

BRONZE MAHONIA—\$1.50 per 100; \$12.50 per 1,000.

Distributing Agents for the great New Roses for 1912.

DOUBLE WHITE KILLARNEY and KILLARNEY QUEEN (The Budlong Strain)—Grafted, \$250.00 per 1,000. Own Root, \$200.00 per 1,000.

SUNBURST—Grafted, \$35.00 per 100; \$300.00 per 1,000. Own Root, \$30.00 per 100; \$250.00 per 1,000.

RIBBONS AND SUPPLIES—Many new patterns in exclusive Christmas ribbons. Write us for prices on these and on supplies.

S. S. PENNOCK-MEEHAN CO.

THE WHOLESALE PHILADELPHIA FLORISTS OF

NEW YORK
109 W. 28th Street

PHILADELPHIA
1608-1620 Ludlow Street

WASHINGTON
1212 New York Ave

WHOLESALE FLOWER MARKETS.—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	CINCINNATI Dec. 1	DETROIT Dec. 1	BUFFALO Dec. 1	PITTSBURG Dec. 12
Am. Beauty, Fan and Sp.	4.00 to 5.00	3.00 to 4.00	3.00 to 4.00	5.00 to 6.00
" Extra	4.00 to 5.00	3.00 to 4.00	3.00 to 4.00	5.00 to 6.00
" No. 1	4.00 to 5.00	3.00 to 4.00	3.00 to 4.00	5.00 to 6.00
" Lower Grades	2.00 to 3.00	1.00 to 2.00	1.00 to 2.00	3.00 to 4.00
Richmond, Chatenay, Fan & Spl.	4.00 to 5.00	3.00 to 4.00	3.00 to 4.00	5.00 to 6.00
" Lower Grades	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	3.00 to 4.00
Killarney, Maryland, Fan & Spl.	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	3.00 to 4.00
" Low Grades	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	3.00 to 4.00
Hydr. Maid	4.00 to 5.00	3.00 to 4.00	3.00 to 4.00	5.00 to 6.00
Taft, Hillingdon, War	3.00 to 4.00	2.00 to 3.00	2.00 to 3.00	4.00 to 5.00
CARNATIONS, First Quality	3.00 to 4.00	2.00 to 3.00	2.00 to 3.00	4.00 to 5.00
Ordinary	2.00 to 3.00	1.00 to 2.00	1.00 to 2.00	3.00 to 4.00

MISCELLANEOUS

Cartleyas	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Lilies, Longiflorum	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Callas	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
" of the Valley	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Narcissus, Paper White	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Rom. Hy.	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Violets	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Stevia	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Magnolia	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Sweet Peas	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Gardenias	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Adiantum	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Smilax	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Asparagus Plumosus, strings	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
" " & Spen. crochets	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00

in fact, that the demand for flowers has been a better one. Stock of all kinds continues to come in plentifully with prices approximately the same.

changed. The demand about meets the supply except in the case of carnations, which are in short stock.

Continued Page

M. C. FORD
Successor to
FORD BROTHERS
121 West 28th Street NEW YORK
FINE ROSES. FANCY CARNATIONS
A Full Line of All CUT FLOWERS.
Telephone, 3870 or 3871 Madison Square

H. E. FROMENT
Wholesale Commission Florist,
Choice Cut Flowers,
47 West 28th St. :: NEW YORK
Telephones: 2200, 2201, Madison Square.

Alfred H. Langjahr
All choice cut-flowers in season. Send
for quotations. Correspondence with
shippers of first-class stock invited.
130 West 28th Street, New York
Telephones 4626-4627 Madison Square.

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1463

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Greater New York
Florists' Association, Inc.
Open for Cut Flower Consignments
162 Livingston Street, BROOKLYN, N. Y.
Geo. W. Crawbuck Telephone Connection
Manager 3642-43 Main

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55 and 57 West 26th Street
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WM. P. FORD
Wholesale Florist
45 W. 28 Street, NEW YORK
Call and Inspect the Best Establishment
in the Wholesale Flower District

A. MOLTZ & CO.
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ROSES AND CARNATIONS	Last Half of Week ending Dec. 9 1911		First Half of Week beginning Dec. 11 1911	
American Beauty, Fancy and Special.....	30.00	to 50.00	30.00	to 40.00
" " Extra.....	20.00	to 30.00	20.00	to 30.00
" " No. 1.....	8.00	to 15.00	8.00	to 15.00
" " Lower Grades.....	4.00	to 8.00	4.00	to 8.00
Richmond, Chateaux, Extra and Special.....	6.00	to 15.00	12.00	to 20.00
" " Lower Grades.....	2.00	to 4.00	2.00	to 4.00
Killarney, My Maryland, Extra and Special.....	8.00	to 15.00	6.00	to 10.00
" " Lower Grades.....	2.00	to 4.00	2.00	to 4.00
Bride 'N' Maid.....	3.00	to 10.00	3.00	to 6.00
Taft, Hillingdon, Ward.....	6.00	to 15.00	4.00	to 15.00
Carnations, First Quality.....	4.00	to 8.00	4.00	to 5.00
" " Ordinary.....	2.00	to 3.00	1.00	to 3.00

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SPRAYS, 75c, 100. GREEN SHEET
MOSS, \$2.00 large bag.

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Wholesale Florists

383-387 ELLICOTT ST. - - BUFFALO, N. Y.

Flower Market Reports

(Continued from page 877)

are not so plentiful. Hudson River violets are coming in; American Beauty roses are in fine shape and there are some choice home-grown orchids.

The past week has been a disappointment to growers and to their wholesale market representatives who had reason to believe that things had started on the upward drive towards the holiday standard. The weather clerk undoubtedly has to assume much of the responsibility but who knows what this same official may send us between now and Christmas? All there is to be done is to "live in hope." The plain fact is that the market conditions are unprecedentedly stagnant for the season and another bad feature is the enervating effect on the flower product which gives rise to much solicitude as to the outcome. All there is to be done is to wait in patience and soliloquize on the unusual conditions which, however, must be endured while they last. Receipts on all lines are heavy and distribution very slow. Chrysanthemums are still plentiful and interfere more or less with other stock. Holly and princess pine are in very poor condition—worst ever in fact, in this market. The wreath business is booming.

As Christmas week approaches growers are anxiously scanning the horizon for signs and portents of a good advance in cut flower prices. So far as can be judged at this writing the prospects are not hopeful for any such proposition. The weather for the past few weeks has been mild and clear, with the result that all crops are in excep-

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Dec. 9 1911		First Half of Week beginning Dec. 11 1911	
Cattleyas.....	30.00	to 75.00	35.00	to 75.00
Dendrobium formosum.....	30.00	to 40.00	30.00	to 40.00
Phalaenopsis.....	20.00	to 25.00	20.00	to 25.00
Lilies, Longiflorum.....	3.00	to 5.00	4.00	to 6.00
Callas.....	1.00	to 2.00	1.00	to 2.00
Lily of the Valley.....	1.00	to 1.50	1.00	to 1.50
Narciss., Paper White.....	1.00	to 1.50	1.00	to 1.50
Roman Hyacinths.....	1.00	to 2.00	1.00	to 2.00
Chrysanthemums.....	4.00	to 20.00	4.00	to 20.00
Violets.....	.50	to 1.00	.40	to .75
Stevia.....	1.00	to 1.50	1.00	to 1.50
Mignonette.....	2.00	to 1.50	2.00	to 1.50
Daisies.....	1.00	to 1.50	1.00	to 1.50
Sweet Peas.....	.50	to .75	.50	to .75
Gardenias.....	12.00	to 35.00	20.00	to 35.00
Adiantum.....	.50	to .75	.50	to .75
Smilax.....	6.00	to 8.00	6.00	to 8.00
Asparagus Plumosus, strings.....	15.00	to 35.00	15.00	to 35.00
" & Soreen (100 bchs).....	15.00	to 25.00	15.00	to 25.00

tionally good condition—bearing freely, healthy and vigorous—with promise of these conditions right through the holidays. The wise heads among the commission men think best results can be got by keeping figures within moderate bounds and getting rid of the goods. Last week was a good week and nobody has any great fault to find with it, although it was not quite so "gingery" as the one previous. For one thing receipts of stock were larger all along the line and in face of this, prices weakened a little; but there was a big volume of business and everybody is pretty well satisfied. There are plenty of American Beauty roses, but no over supply. The quality is excellent and they are certainly one glorious flower as seen on the market at present and reflect great credit on the growers. Richmond is coming in more freely. Fine stuff, well grown and up to standard in all respects. Killarney and Maryland have also improved and show up much better as to color and

finish. The carnation market is in good shape; both production and quality improved, with a firmer trend in prices. Beacon, Ward, Gloriosa, the three Enchantresses, and White Perfection are especially fine. Plenty of fine orchids and good sale. Dendrobium formosum, cattleyas, Oncidium speciosum, cyripediums, spray orchids, make up a fine selection for the season. No up-to-date flower store is complete without this leader and gardenias, which are also good now and in liberal supply. Violets, Lily of the valley, Roman hyacinths, paper whites, sweet peas, mignonette and lilies are plentiful and excellent.

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Ampelopsis Veitchii, 1-yr. plants, \$3.00 per 100; \$25.00 per 1000.
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Asparagus Plumosus, extra fine 3-lach stuff, \$5.00 per 100, \$45.00 per 1000. P. Rieth, Downers Grove, Ill.

Asparagus plumosus seedlings, clumps, sprays and seeds. Write for prices. Peter Mack, Orlando, Fla.

Asparagus plumosus, 2 1/2-in. pots, \$3.00 per 100; \$25.00 per 1000. Asparagus Sprengeri, 2-in. pots, \$2.00 per 100; 4-in. pots, heavy, \$10.00 per 100.

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Bay Trees and Box Trees, all sizes
Write for special list

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Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 2000 for \$1.00 post paid. I. L. Pillsbury, Galesburg, Ill.

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Cinerarias, finest large-flowering dwarf hybrids in mixture; established in 3 in. pots, at \$4.00 per 100. Cash. Russell Bros., Syracuse, N. Y.

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Clematis paniculata, 2-yr., \$7.00 per 100; \$60.00 per 1000. H. G. Norton, Perry, O.

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Genista racemosa, 6 in. pot plants, \$25.00

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Geraniums, standard varieties, 2 1/2-inch, \$2.50 per 100, \$22.50 per 1000; or will exchange part for Vinca root runners. P. Rieth, Downers Grove, Ill.

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A. T. Stearns Lumber Co., Boston, Mass.

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Pierson U-Bar Co., Madison Ave., New York

Designer and Builder

For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.

Lord & Burnham.

1133 Broadway, New York

GUTTERS

King Construction Co., N. Tonawanda, N. Y.

King Channel Gutters

For page see List of Advertisers.

HAIL INSURANCE

Florists' Hall Assn. of America.

J. G. Esler, Saddle River, N. J.

For page see List of Advertisers.

HARDY FERNS AND SUPPLIES

Michigan Cut Flower Exchange,

28 and 40 Broadway, Detroit, Mich.

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The Kervan Co., New York

For page see List of Advertisers.

Hartford & McDonough, Boston, Mass.

For page see List of Advertisers.

H. J. Smith, Hinsdale, Mass.

For page see List of Advertisers.

HEATING APPARATUS

Kraeschell Bros. Co., 466 Erie St., Chicago

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Lord & Burnham Co.,

1133 Broadway, New York.

HERBACEOUS PLANTS

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.

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New England Nurseries, Bedford, Mass.

For page see List of Advertisers.

Boblink & Atkins, Rutherford, N. J.

For page see List of Advertisers.

HOSE

H. A. Dreer, Philadelphia, Pa.

In writing to Advertisers kindly mention Horticulture

HOT-BED SASH

- A. T. Stearns Lumber Co., Neponset, Mass.
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- Foley Mfg. Co., Chicago.
For page see List of Advertisers.
- Parshelsky Bros., Brooklyn, N. Y.
For page see List of Advertisers.
- Lord & Burham Co., 1133 Broadway, N. Y.

HYDRANGEAS

- F. R. Pierson Co., Tarrytown-on-Hudson, New York.
For page see List of Advertisers.
- Hydrangea Otaksa, fine pot grown stock, 4-in., 2 to 3 shoots, \$15.00 per 100; 5-in., 2 to 3 shoots, \$20.00 per 100; 6-in., 3 to 5 shoots, \$35.00 per 100.
- Hydrangea Otaksa, field-grown. Extra specimens for large tubs, 12 to 15 shoots, \$1.00 each.
- Storrs & Harrison Co., Palmsville, Ohio.

INSECTICIDES

- Eastern Chemical Co., Boston, Mass.
Imp. Soap Spray.
For page see List of Advertisers.
- Nicotleide kills all greenhouse pests.
P. R. Palethorpe Co., Owensboro, Ky.
For page see List of Advertisers.
- Stumps & Walter Co., New York.
Kilmdead Tobacco Dust.
For page see List of Advertisers.
- Aphine Manufacturing Co., Madison, N. J.
Aphine.
For page see List of Advertisers.
- E. H. Hunt, Chicago, Ill.
To-Bak-line Products.
For page see List of Advertisers.
- Wilson Plant Oil and Fertilizer Co., Elizabeth, N. J.
For page see List of Advertisers.

Interstate Tobacco Co., New York, N. Y.
Berger's Fumigating Kind Tobacco Powder.

Acme Nicotine Insecticides sold direct to the grower. Acme 45 per cent. Liquid, pint \$1.75; gallon \$12.50. Acme Fumigating Paper, case of 288 sheets \$5.50. Sample can of 24 sheets 60 cents, postpaid. J. P. Beermaker, 9 Washington Ave., St. Louis, Mo.

JAPANESE LILIES

- Loechner & Co., New York, N. Y.
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JERUSALEM CHERRIES

JERUSALEM CHERRIES, pot grown, strong and well berried plants, 4-in., \$10.00 per 100. Cash, please. P. Sokol, Worcester, Mass.

- Thos. J. Grey Co., Boston, Mass.
Improved Variety Molynd.
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KENTIAS

- Bobblink & Atkins, Rutherford, N. J.
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- A. Lenthy & Co., Roslindale, Mass.
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LANDSCAPE GARDENING COURSE.
Home Correspondence School, Springfield, Mass., Dept. 8.
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LILUM HARRISII

- F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
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LILUM MULTIFLORUM AND GIGANTEUM

- R. M. Ward & Co., New York, N. Y.
Horse Shoe Brand.
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LILY OF THE VALLEY PIPS

- Loechner & Co., New York, N. Y.
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MASTICA

- F. O. Pierce Co., New York, N. Y.
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MATS FOR COLD FRAMES

- Wm. Elliott & Sons, New York, N. Y.
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NICO-PUME

- Kentucky Tobacco Product Co., Louisville, Ky.
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NIKOTEEEN APHIS PUNK

- Nicotine Mfg. Co., St. Louis, Mo.
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NURSERY STOCK

- P. Ouwerkerk, Weehawken Heights, N. J.
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- New England Nurseries, Bedford, Mass.
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- W. & T. Smith Co., Geneva, N. Y.
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- Bay State Nurseries, North Abington, Mass.
Hardy, Northern Grown Stock.
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- Bobblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
- McHutchinson & Co., New York, N. Y.
Direct Importations.
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TREES, SHRUBS, ROSES, EVER-GREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00 by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Altheas, Berberries, Deutzias, Forsythias, Hydrangeas, Philadelphus, Viburnums, Privet, Spiraea, Weigelas. Write for price list. The Conard & Jones Co., West Grove, Pa.

ONION SETS

- Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.
- S. D. Woodruff & Sons, New York, N. Y.
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ORCHID FLOWERS

- Jas. McManus, New York, N. Y.
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ORCHID PLANTS

- Lager & Hurrell, Summit, N. J.
Cypripedium Caudatum.
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- Julius Roehrs Co., Rutherford, N. J.
Hybrid Orchids.
For page see List of Advertisers.
- Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
For page see List of Advertisers.
- Orchids—largest stock in the country. Stove plants and Crotons, finest collection. Julius Roehrs Co., Rutherford, N. J.
- Edward V. Low, late of Hugh Low & Co., dissolved, Vale Bridge, Haywards Heath, England. "White" Cattleyas and Choice Cypripediums are leading features.
- Orchid Growers' Manual. By B. S. Williams, 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

PALMS, ETC.

- A. Lenthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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- Robert Craig Co., Philadelphia, Pa.
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- John Scott, Brooklyn, N. Y.
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- Julius Roehrs Co., Rutherford, N. J.
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- Joseph Heacock, Wyncote, Pa.
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- Loechner & Co., New York, N. Y.
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PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

- Siggers & Siggers, Washington, D. C.
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PECKY CYPRESS BENCHES

- Foley Mfg. Co., Chicago
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- A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

PEONIES

"Fragrans," late dark pink, large divisions, \$6.00 per 100, \$50.00 per 1000. Chas. Lenker, Freeport, L. I., N. Y.

PLANT POTS AND PEDESTALS.

Jones, McDuffee & Stratton, Boston, Mass.

PLANT STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

- H. A. Dreer, Philadelphia, Pa.
"Riverton Special."
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PIPE AND FITTINGS

- Foley Mfg. Co., Chicago.
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- Kroeschell Bros., Co. 466 Erie St., Chicago.
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- Metropolitan Material Co., Brooklyn, N. Y.
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POTASH

- German Kall Works, Baltimore, Md.
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POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

POT PLANTS WANTED.

- C. C. Trepel, New York, N. Y.
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POULTRY AND FARM REVIEW.

- The Rex Company, Harrisburg, Pa.
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PRIMULAS

John McKenzie, North Cambridge, Mass.
For page see List of Advertisers.

PRINTING.

- The Rex Company, Harrisburg, Pa.
For page see List of Advertisers.

PRIVET

Half a million privet. Strong, heavy, well furnished stock, 18 to 24-in., \$15.00 per 1000; 2 to 3 ft., \$20.00 per 1000; 3 to 4 ft., \$25.00 per 1000. Dwarf and specimen evergreens, shrubbery and trees in all varieties.

AMERICAN NURSERY CO.,
Singer Bldg., New York, N. Y.

REFRIGERATORS FOR FLORISTS

- McCray Refrigerator Co., Kendallville, Ind.
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RHODODENDRONS

- P. Ouwerkerk, Hoboken, N. J.
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- Bobblink & Atkins, Rutherford, N. J.
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RIBBONS AND CHIFFONS

- M. Rice & Co., 1220 Race St., Phila., Pa.
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- S. S. Pennock-Meehan Co., Philadelphia, Pa.
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ROSES

- A. N. Pierson, Inc., Cromwell, Conn.
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- P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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- Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.
- W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
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- Bay State Nurseries, North Abington, Mass.
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- Wood Bros., Fishkill, N. Y.
Own Root Roses.
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- Eastern Nurseries, Jamaica Plain, Mass.
New Roses Originated by Jackson Dawson.
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- S. S. Pennock-Meehan Co., Phila. Pa.
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- Waban Rose Conservatories, Natick, Mass.
New Yellow Rose Lady Hillingdon.
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ROSES—Continued

Bassett & Washburn, Chicago, Ill.
Rooted Rose Cuttings.

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ROSES—Send for complete list. American Pillar, 3 year, \$35.00 per 100; American Pillar, 2 year, \$25.00 per 100; Dorothy Perkins, \$12.00 per 100; Lady Gay, 4 to 5 ft., \$16.00 per 100. The Conard & Jones Co., West Grove, Pa.

RUBBER STAMPS, STENCILS.
The Rex Company, Harrisburg, Pa.
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SEED GROWERS

Braslan Seed Growers Co., San Jose, Cal.
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C. C. Morse & Co., San Francisco, Calif.
Onion, Lettuce, Sweet Pea Seeds.
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J. C. Robinson Seed Co., Waterloo, Neb.
Contract Seed Growers.
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SEEDS

T. J. Grey Co., 32 So. Market St., Boston
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Joseph Brock & Sons,
51 and 52 N. Market St., Boston, Mass.
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Richards Bros., 37 E. 19th St., New York
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Henry F. Michell Co., Philadelphia, Pa.
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W. Atlee Burpee & Co., Philadelphia.
Blue List for 1912.

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Arthur T. Roddington, New York
Quality Seeds for the Florist.
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B. & J. Farquhar & Co., Boston, Mass.
Flower Seeds for the Florist.
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J. M. Thorburn & Co., 33 Barclay St., N. Y.
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Fottler, Fiske, Rawson Co., Boston, Mass.
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Leonard Seed Co., Chicago, Ill.
Peas, Beans, Radish and all Garden Seeds.
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Wm. Elliott & Sons, New York.
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James Vick's Sons, Rochester, N. Y.
All Leading Varieties of Seeds.
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A. S. Skidelsky & Co., Philadelphia, Pa.
Asparagus Plumosus Nanus Seed.
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The W. W. Barnard Co., Chicago, Ill.
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Roman J. Irwin, New York, N. Y.
New Crop Flower Seeds.
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J. Bulgiano & Son, Baltimore, Md.
Field and Garden Seeds.
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Lochner & Co., New York, N. Y.
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Beaulieu, Woodhaven, N. Y.
Vegetable Seeds.
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The Haven Seed Co., Santa Ana, Calif.
Tomato Seed.
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Fox Hall Farm, Norfolk, Va.
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SOLANUMS

T. J. Grey Co., Boston, Mass.
Capsicastrum Melvini.

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SOUVENIRS AND SACHETS OF**LAVENDER**

California Sweet Lavender Souvenirs.
Sachets of dried flowers, listingly fragrant.
One style, 30 cts. by mail, post paid. Mrs.
E. C. Gardener, So. Pasadena, Cal.

SPHAGNUM MOSS

H. J. Smith, Hinsdale, Mass.
For page see List of Advertisers.

Live Sphagnum moss, orchid peat and
orchid baskets always on hand. Lager &
Hurrell, Summit, N. J.

SPRAYERS

Chas. J. Jager Co., Boston, Mass.

SWEET PEAS—WINTER FLOWERING

R. E. Wadsworth, Northboro, Mass.
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Sweet Peas. Florence Denzer, Watchung,
Mrs. F. J. Dolinsky, Pink Watchung, Mrs.
C. H. Totty, Miss Josey Reilly, Greenbrook,
Mrs. Alex. Wallace, winter flowering;
several plants to the pot, \$3.00 per 100 pots.
Cash, please. R. E. Wadsworth & Co.,
Northboro, Mass.

TREE RENOVATION

John T. Withers, Inc., Jersey City, N. J.
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VEGETABLE PLANTS

Fox Hall Farm, Norfolk, Va.
Tomato, Cabbage and Lettuce Plants.
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VENTILATING APPARATUS

Foley Mfg. Co., Chicago.
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The Advance Co., Richmond, Ind.
Improved Ventilator Arm.
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WIREWORK

Reed & Keller, 122 W. 25th St., N. Y.
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Wirework. Write for our catalogue.
Holton & Hunkel Co., Milwaukee, Wis.

William E. Hellscher's Wire Works, 35-40
Broadway, Detroit, Mich.

WOOD PRESERVATIVE

Conserve Wood Preservative doubles the
life of all exposed lumber. Preserves
benches, posts, sills or planking. Costs
2c a stick, and saves ten times its cost.
Samuel Cabot, Inc., Mfg. Chemists, Bos-
ton, Mass.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
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WHOLESALE FLORISTS**Boston**

N. F. McCarthy & Co., 84 Hawley St.
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Welch Bros., 226 Devonshire St.
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H. M. Robinson & Co., 15 Province St.
and 9 Chapman Pl.
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Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.
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Chicago

Peter Reinberg, 51 Wabash Ave.
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Poehlmann Bros. Co., Morton Grove, Ill.
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J. A. Budlong, 37-39 Randolph St.
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Chicago Flower Growers' Association,
176 N. Michigan Ave.
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Cincinnati, Ohio

The J. M. McCullough's Sons Co., 316
Walnut St.
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Cromwell, Conn.

A. N. Pierson, Cromwell, Conn.
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Detroit

Michigan Cut Flower Exchange, 35 and 40
Broadway.
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New York

M. C. Ford, 121 W. 28th St., New York
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H. E. Froment, 57 W. 28th St., New York
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E. C. Horan, 55 W. 28th St., New York
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A. H. Langjahr, 130 W. 28th St., New York.
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James McManus, 55 W. 28th St., New York
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W. F. Sheridan, 133 W. 28th St., New York
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Wm. H. Kuebler, 28 Willoughby St.,
Brooklyn, N. Y.

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WHOLESALE FLORISTS**New York—Continued**

Moore, Hents & Nash, 55 and 57 W. 26th
St., New York.

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Greater New York Florists' Association,
162 Livingston St., Brooklyn, N. Y.

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J. K. Allen, New York, N. Y.
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Charles Millang, 55 and 57 West 26th St.
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A. L. Young & Co., 54 W. 28th St., N. Y.
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P. J. Smith, 49 West 28th St., N. Y.
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W. P. Ford, New York.
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Frank Millang, New York, N. Y.
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Traendly & Schenck, New York, N. Y.
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Badgley, Riedel & Meyer, Inc., New York
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A. Moltz & Co., New York, N. Y.
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Philadelphia

Leo. Niessen Co., 1209 Arch St., Phila., Pa.
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The S. S. Pennock-Meehan Co., 1008-13
Ludlow St., Philadelphia, Pa.

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George B. Hart, 24 Stone St.
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XMAS PEPPERS

Xmas Peppers, fine berried plants, 4 and
4½ inches, \$8 to \$10 per 100. P. Rieth
Downers Grove, Ill.

New Offers In This Issue.**BURPEE'S ANNUAL FOR 1912.**

W. Atlee Burpee & Co., Phila., Pa.
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CHRISTMAS CUT FLOWERS.

Traendly & Schenck, New York, N. Y.
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CHRISTMAS GREENS.

Hartford & McDonough, Boston, Mass.
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GARDENIAS, POINSETTIAS, ETC.

The S. S. Pennock-Meehan Co., Phila., Pa.
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GREENHOUSE BUILDING AND SUPPLIES.

Charles H. Dodd, Jersey City, N. J.
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HOLIDAY FLOWERS WHOLESALE.

Badgley, Riedel & Meyer, New York, N. Y.
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MAMMOTH VERBENAS.

Henry E. Michell Co., Lima, Pa.
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NEW CARNATION "BROOKLYN."

R. G. Wilson, Brooklyn, N. Y.; Charles
Welen, Lynbrook, L. I., N. Y.; Charles
H. Totty, New York, N. Y.

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RETAIL FLORIST.

Charles's Little Flower Shop, New York,
N. Y.

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ROOTED CARNATION CUTTINGS, CHRYSANTHEMUMS, CANNAS.

Wood Bros., Littleton, N. Y.
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WIZARD BRAND SHEEP MANURE.

Porter, Fiske, Rawson Co., Boston, Mass.
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In writing to Advertisers kindly mention Horticulture

Tobacco Paper

IS THE
**STRONGEST,
BEST PACKED,
EASIEST APPLIED.**

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

"NICO-FUME" LIQUID

OVER 40% NICOTINE

By far the
CHEAPEST.

**Furnishes the
Most Nicotine for the Money**

... Manufactured by ...

THE KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

JUST NOTE PRICE!

Pint.....	\$ 1.50
1/2 Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

NEWS NOTES.

Dalton, Mass.—J. R. Shield, for the last sixteen years superintendent for Mr. F. G. Cram, has resigned his position and will enter the commercial line, having bought a greenhouse establishment in Woburn, Mass., where he will take possession, February 1st, 1912.

Fall River, Mass.—The Watuppa water board has decided not to build a greenhouse as it was found that the lowest bid for its construction was higher than was looked for. The board has decided to see if the plants cannot be stored in the park commission greenhouse.

Victoria, B. C.—Brown Bros., of Vancouver, have purchased the store and greenhouses of the Fairview Esquimalt Greenhouses. A new location for the store has been secured and the present store will only be continued till the new location is ready. Mr. Bornhoft is the new manager.

Providence, R. I.—William Patry has purchased the retail store of O. S. Hughes, which the latter opened about six weeks ago.

Leo Engal has opened a new retail store known as The Rosery at 305 Weybosset street. Mr. Engal also conducts the flower department of one of the large department stores here.

Boston, Mass.—The Flower Growers' Sales Co., Inc., have opened an office at 1a Park street with W. H. Welchans as business manager. They have a good basement under the new store and a line of plants will be carried which could not be done in the old location. A large refrigerator is being built at the back of the store. The stalls in the flower market will be retained for a time at least.

Among the prizes awarded at the Maryland Week Exposition at Baltimore last week were the following:

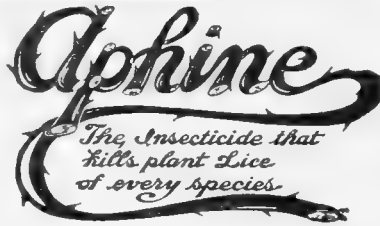
Mrs. Henry Jacobs, 15 first and two second prizes for orchids, roses, chrysanthemums, carnations and foliage plants.

John Cook, two silver cups valued at \$25 each, the gift to the exposition of Mrs. Jacobs. One went for the best decorated table and the other for the best offering of foliage plants.

James A. Gary, first prize for poinsettia, and another for display of chrysanthemums. I. H. Moss, of Govanstown, blue ribbon for window boxes and evergreens.

First prize for carnations to Charles Siegwart, of Carroll, Baltimore County. He also received a certificate of merit for a seedling carnation.

Prizes were awarded John McCormick also, for carnations.



Destroys green, black, white fly, thrips, red spider, mealy bug, scale and all plant sucking insects. An excellent cleanser for decorative stock.

\$2.50 per gallon, \$1.00 per quart.
U. S. AND CANADA.

FUNGINE

Has no equal for destroying mildew, rust and other plant fungi.

Fungine will cure bench rot and is proving an excellent remedy for the protection of cuttings and young stock against the various blights.

\$2.00 per gallon, 75c. per quart.
U. S. AND CANADA.

For sale by seedsmen.

MANUFACTURED BY

**APHINE MANUFACTURING COMPANY
MADISON, N. J.**

25 lbs. \$1.00 100 lbs. \$3.00 1000 lbs. \$27.00
50 lbs. 1.75 500 lbs. 14.00 2000 lbs. 52.00
Stump & Walter Co. 50 Barclay St. New York. N. Y.



**The Best
Bug Killer and
Bloom Saver**

For PROOF
Write to

**P. R. Palethorpe Co.
OWENSBORO, KY**

To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free.)

Use any form you choose but buy it of

E. H. HUNT, 131 N. Wabash Avenue, Chicago

NIKOTEEN The most effective and economical material there is for spraying plants and blooms. **NIKOTEEN** skillfully extracted from leaf tobacco, and carefully refined, it is clean and easy to apply. **NIKOTEEN** Does the work when vaporized either in pans, or pipes, or over a flame.
Full Pint Bottles, \$1.50.

NIKOTEEN APHIS PUNK

Specially prepared for fumigating closed houses. It vaporizes the Nicotine evenly and without waste. Nothing keeps a house free from Aphis so cheaply.
Price \$6.50 per case of 15 paraphrased boxes. All Seedmen.

Imp Soap Spray

Effective one to thirty-two.

Single gallons, \$1.50

**Eastern Chemical Company
BOSTON**

DURING RECESS.

New York Bowling Scores, Friday Night, Dec. 8.

Chadwick,	224 184 180	Young,	176 176 128
Nugent,	124 120 138	Rickards,	136 133 120
Shaw,	135 126 167	Marshall,	168 160 101
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NEW YORK STATE COLLEGE OF AGRICULTURE—BULLETIN NO. 306.

This is the fourth bulletin in the peony series, being the result of the joint studies of the Department of Horticulture and the American Peony Society. This bulletin has been supervised by Professor John Craig and prepared by Professor L. D. Batchelor, assisted by Messrs. B. H. Farr and Joseph Dauphin, peony specialists, representing the Peony Society. The bulletin contains a classification of the peonies in the Cornell plots and a careful description of all varieties thus far identified. A list of corrected names and descriptions of varieties previously described is included. The publication reports the results of the tests of the very large co-operative collection of peonies growing on the Cornell grounds.

The collection originally was supposed to contain 1933 varieties but the work, which is rapidly approaching completion after seven years' study, gives indication that there are less than 500 distinct varieties. These have been described in the four reports and the list of synonyms has been prepared with great care. Studies were also made on the grounds of several peony specialists and the descriptions of a few additional varieties thus obtained are included in the bulletin. Practically every variety of the peony has been fully described but for the information of intending planters lists are given of the best varieties for cut-flowers and for landscape effect. A permanent collection of all the distinct varieties under their correct names will be maintained on the grounds of the Horticultural Department where it may be inspected by anyone interested in peonies.

A WORD TO ADVERTISERS AND OTHERS.

Mail deliveries of third-class matter are already noticeably delayed by the holiday blockade. Parties mailing electros or photographs for use in our advertising or reading columns should bear this in mind and send a day or two earlier than usual or, still better, use letter postage up to a reasonable amount and, where time is close, add "special delivery" stamps, until the Christmas rush is over.

Cincinnati, O.—A store for the sale of Christmas greens has been opened by Wm. Murphy at 114 E. 3rd avenue. Ray Murphy is in charge.

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WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

SITUATIONS WANTED

SITUATION WANTED in Massachusetts by an all around florist of over 26 years experience. Rose growing a specialty. Capable to take full charge. Now in charge of large rose growing establishment. Reasonable wages and permanent position desired. Married; no children. Address N. H., care HORTICULTURE.

FOREMAN wants position. Specialist in carnation and general line of cut-flowers. Would accept position growing pot-plants, Christmas, Easter and bedding stuff. Twenty-two years of experience. Good salary required. Best references. Personal interview desired. "T." care HORTICULTURE.

FOR SALE

FOR SALE—Summer Street Conservatories. Two practically new, wooden-frame greenhouses, one filled with first-class stock of pinks, the other with "boarding" ferns and palms. Also (to be included in sale) large 14-room single house, in first-class locality, suitable for boarders or roomers. Barn room for three horses, carriages, etc. This property situated on Summer street, Watertown, Mass., five minutes from steam and electric cars. For further particulars apply to John T. Howell, 139 Summer St., Watertown, Mass. Phone N N 854-M.

FOR SALE—Fresh from factory, new 10 x 12, 16 x 18, 16 x 24, double thick A and B qualities. Market dropped. Now is the time to buy and save money. Parshelsky Bros., Inc., 215-217 Havemeyer St., Brooklyn, N. Y.

PUBLICATIONS RECEIVED.

The Pittsburgh Cut Flower Co. have sent out a beautiful little book under the title of Boxwood Sprays. In its handsomely illustrated pages the history, ancient and present uses, etc., of this classic decorative material, are told in an interesting manner. The cover is in green and berry-red.

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NEWS NOTES.

Greenville, Ill.—The business of Emile Corboz has been purchased by D. H. Zbinden.

Milford, Mass.—The Morningside Greenhouses, W. D. Howard, proprietor, were slightly damaged by a blast fired by contractors on December 8.

Lebanon, N. H.—The Haskell Floral Co. has replaced two of their small greenhouses with one iron-frame house 30 x 130 which will be devoted to carnations exclusively.

Denair, Cal.—The Schafer-Hogin Orchard and Nursery Co. has been purchased by D. R. & C. S. Schafer, it is reported. The business will be continued with sales yards at Denair and Turlock.

Putnam, Conn.—C. S. Adem is now proprietor of the greenhouses of E. M. Arnold and they are now known as the East Side Greenhouses. Richard Hermanson, formerly of Providence, R. I., is in charge.

West Chester, Pa.—It is reported that the Maple Avenue Nurseries will abandon the "Forty Acres" north of this place. A large farm near Fern Hill has recently been acquired and the work at "Forty Acres" will be transferred to it. This, with another tract near the Hannum farm, will give them several hundred acres in one stretch.

Falmouth, Mass.—The Falmouth Mushroom Cellars Co., Inc., a new \$60,000 Massachusetts corporation, is to build eight houses each 150 feet long for mushroom and vegetable growing. A refrigerating plant and canning machinery will be installed. Two houses each 96 x 150 will be devoted to vegetables. The president and general manager is Louis C. Whiting; treasurer, Dexter V. Wiswell of Boston; directors, L. C. Whiting, D. V. Wiswell, John E. Dwight, Dr. George T. Moore and F. L. Milligan of Boston. Dr. George T. Moore, formerly of the Missouri Botanical Garden, will be manager and Mr. Swanson, for many years with the Jackson mushroom plant in Chicago, will be foreman. The plans for the establishment were drawn by Wheelwright, Haven & Hoyt, of Boston; the refrigerating plant will be installed by the Madison-Cooper Co. of New York and the heating system by Kroeschell Bros. Co., of Chicago.

PATENTS GRANTED.

- 1,010,572. Plant Setter. John C. Berhorst, Fort Madison, Iowa.
1,010,813. Weed Cutter. Carl G. Sigurd, San Jose, Cal.
1,011,001. Compound Land Roller. Wesley Wright, Blackwell, Okla.
1,011,017. Plant Shield. Claibourne Bevil, Bushnell, Fla.

DREER'S "Riverton Special" Plant Tub



No.	Diam.	Each	Dox.	100
10	20 in.	\$1.45	\$16.00	\$130.00
20	18 in.	1.30	14.00	115.00
30	16 in.	1.00	11.25	92.00
40	14 in.	.85	7.00	56.00
50	12 in.	.45	5.00	40.00
60	10 in.	.38	4.00	32.00
70	8 in.	.30	3.50	28.00

Manufactured for us exclusively. The best tub ever introduced. The neatest, lightest and cheapest. Painted green, with electric welded hoops. The four largest sizes have drop handles.

HENRY A. DREER, Seeds, Plants, Bulbs and Supplies, 714 Chestnut Street, Philadelphia, Pa.

GREENHOUSES BUILDING OR CONTEMPLATED.

Woburn, Mass.—Adam Foster, one house.

Erie, Ill.—Clarence Peckham, one house.

Lebanon, N. H.—The Haskell Floral Co., house, 30 x 130.

Newburyport, Mass.—C. J. McGregor, Chapel street, one house.

Concord, Mass.—Harry W. Brigham, Nine Acre corner, one house.

Washington, D. C.—Gude Bros., Bladensburg road, house, 50 x 350.

Nashua, N. H.—Mrs. Ella Churchill & Son, 30 McKean street, house 20 x 100

Lexington, Mass.—Lexington Nursery (N. F. Comley & Co., proprietors), Bedford street, house, 40 x 350.

Minneapolis, Minn.—J. Duncan, Thirty-Sixth street and Grand avenue, range of houses, store building and power house, to cost about \$20,000.

FIRE RECORD.

Keene, N. H.—Fire damaged the greenhouses of A. O. Amidon, West street, on Dec. 2.

Lowell, Mass.—Fire damaged the flower store of R. A. Griffiths, 133 Central street, on Nov. 23. Loss small.

L'Argent, La.—The gin and seed house of E. C. Rhodes were destroyed by fire on Nov. 30, loss \$5,000, no insurance.

Riverside, Conn.—A greenhouse, gardener's cottage and barn on the estate of Jacob Langcloth, was destroyed by fire on Dec. 5; loss, \$20,000.

Tacoma, Wash.—The office of the Northwestern Floral Co. was visited by fire recently, causing a damage of about \$1,000 to stock and building.

Enid, Okla.—Fire caused a loss of about \$1500 at the greenhouse of Joshua R. Detwiler, 1116 W. Maple street, on Nov. 30. The boiler house and some of the greenhouse plant was destroyed. Oil stoves and tarpaulins saved much of the stock and business was not interrupted.

Haverhill, Mass.—Charles H. Kaulback, florist, sustained a loss of more than \$1000 by fire on Dec. 11. Large greenhouses, his house, barn and heating plant were all destroyed. The loss on house and barn, which were not insured, is about \$8,000, and on heating plant and greenhouses over \$2,000 more.

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can be shipped at an hour's notice. Price per crate:

2000 1 3/4 in.	@ \$6.00	500 4 in.	@ \$4.50
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1000 3 "	" 5.00	144 6 "	" 3.16
800 3 1/2 "	" 5.80	120 7 "	" 4.20
		60 8 "	" 3.00

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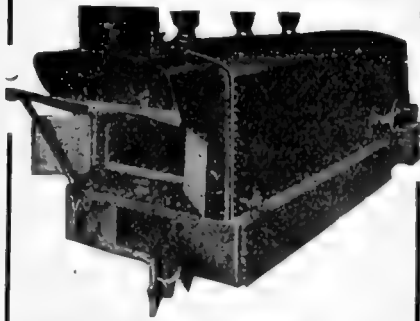
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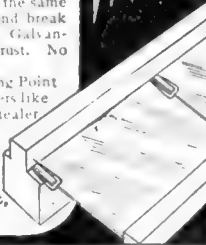
Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts.

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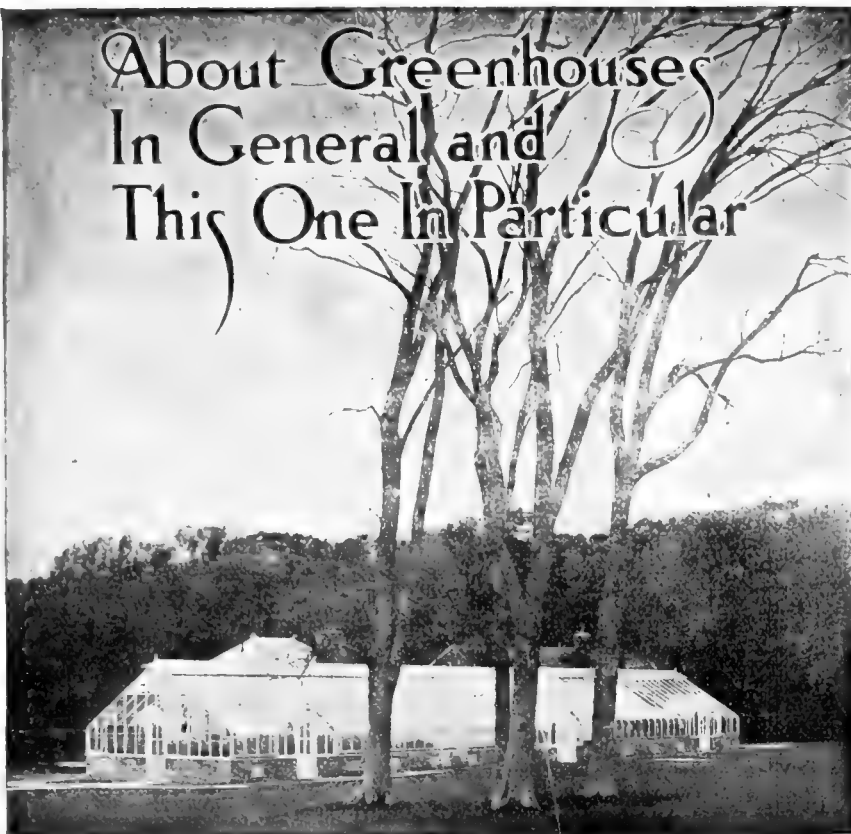
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The stock that we offer is not gathered indiscriminately from all kinds of sources, but is grown for us by a few selected growers, whose stocks have been worked up from the true, original stock. In order to ensure the health of the product, the bulbs are not grown on the same field oftener than one season, other crops being grown on the field the preceding year. The ground is thoroughly manured when the previous crop is grown, leaving it in a high state of cultivation, and when the lily bulbs are planted no fresh manure is used, and this prevents disease and ensures a crop of strong, healthy bulbs.

In addition to this, we do not dig our bulbs as early as they are usually dug, but leave them in the ground until they are thoroughly ripened and matured. When *Harrisii* is good, it leaves little to be desired. There is very little, if any, stock obtainable as good as the stock that we are offering. We are supplying only this one grade of selected stock, and when this is disposed of, we shall have no more to offer.

While the quality of the stock that we offer is of the highest, our prices are as low as, or lower than, the prices of those who offer the ordinary stock gathered from indiscriminate sources. We are sure buyers will find our stock very satisfactory, and much more so than the Japan-grown *Longiflorum*, which has badly deteriorated in recent years.

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6-7 inch bulbs, 335 to the case, \$15.00 per case; full thousand lots, \$40.00 per 1,000.

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Nephrolepis Elegantissima, *Bostoniensis*, and *Harrisii*, heavy 10-in. plants 2.50 each

F. R. PIERSON COMPANY, Tarrytown-on-Hudson,
NEW YORK

HORTICULTURE

Vol. XIV.

DECEMBER 23, 1911

No. 26



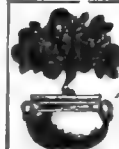
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These splendid Stocks will flower continuously through the summer if sown early.

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Violet, dark blue......25

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Rosca, rose......15 .50

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ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th STREET
NEW YORK CITY

Oriental Poppies

If asked which is the showiest and, above all, the most intense-colored hardy perennial for near and distant effect, I believe I would unhesitatingly say, the Oriental Poppy. There is nothing brighter than the vivid orange-red of a mass of huge flowers of *Papaver orientale* standing out boldly against the green leafage of shrubs or trees, with a swaying surface of lawn as foreground. Seeing the same large flowers on a herbaceous border and beholding the silky-lustered petals surrounding the almost black center at close range, the whole, in character, is bound to impress us as a veritable revelation of beauty, irresistible even to the dullest eye. Certainly, we have seen this beauty since the earliest days of our vocation, and yet, it exerts its charm anew every ensuing season. As a true representation of that marvelous, but fleeting beauty of the Orient—the land of the wonders of Arabian Nights, of gay colors in apparel and flowery language, we love and cherish *Papaver orientale*. The sudden bursting forth of glory and its quick vanishing away is the inside feature which, perhaps imperceptibly, intensifies our admiration.

We have been freely planting Oriental Poppies and we shall more so continue in the future as soon as we keep abreast of the times and do not any longer overlook the fact that during recent years a number of new garden hybrids of merit have come to the front. Most conspicuous among those introductions are the salmon pink shades, represented by these varieties: Princess Victoria Luise, Salmon Queen, Silberblick, Queen Alexandra, Lady Roscoe and Mary Studholme. Of the scarlets Goliath is the most robust growing one, with immense flowers on extraordinary long, erect and stiff stems. Other large flowering varieties of similar shade are: Duke of Teck, Rembrandt and Royal Scarlet. Mahogany bears dark crimson maroon flowers, while Prince of Orange and Brightness appear in shining orange red.

The general attitude of American society toward these novelties has been most favorable. Especially the delicate salmon pink shades have met with keen interest and unreserved approval. They are, indeed, acqui-



ORIENTAL POPPIES

Papaver orientale, Princess Victoria Luise

sitions of value. Landscape gardeners and garden architects, when making their plans for new herbaceous plantations cannot afford to omit the new garden hybrids of Oriental Poppies.

Flowers of poppies need careful handling, when used for indoor decoration. They should be cut early in the morning, while just beginning to burst open. If kept out of draught, they will fully develop in water and stand up for at least two days.

In the garden the foliage is to be removed from the plants, as soon as it commences to dry off. New leaves appear then again during August and September to stay until the frost comes.

Richard Rothe

Northeast Harbor, Maine.

Seasonable Notes on Culture of Florists' Stock

ACALYPHAS

These plants are very ornamental and can be used for mixed borders or subtropical bedding and they also can be grown into excellent pot specimens suitable for using in a good many ways. Where you have some old plants they can be cut back to good wood, some of the old soil shaken out, and then repotted into fresh soil. Place them in a temperature of 65 to 70 degrees and keep well syringed, with a moist atmosphere, and in a few weeks they will be covered with young growth which will be just the thing for a batch of cuttings. These can be placed in a strong bottom heat in sand and kept quite close with some shade and they will soon root. When they have rooted move them into 3-inch pots, give them some good loam, leaf mold and well-rotted manure as a

compost and keep them in the same temperature until they have become well established, when they can be grown in from 60 to 65 degrees at night and these will make by spring very serviceable stock for either decorative or bedding use.

CYMBIDIUMS

It is always better with these orchids to do any repotting or top-dressing just when they show signs of making new growth. When potting it is well to do it in such manner that they may go without any more potting for two or three years or longer, as they grow into finer specimens and flower more freely when the roots are not disturbed so often. They succeed in a compost, one-half of fibrous loam, in which all the finer particles have been screened out and the other half

equal proportions of leaf mold, peat and chopped live sphagnum, intermixed with some coarse sand and lumpy charcoal. The pots should be about one-third full of potsherds and charcoal to give good drainage. Work the material firmly around the fleshy roots, leaving the base of the plant just even with the top of the pot. Until they begin to make new roots water very sparingly, but when they become established give due attention to watering as they will want a more liberal supply. Give them a temperature of about 52 to 55 degrees at night and with sun heat let it run up to about 70 degrees. Such varieties as *Cymbidium eburneum*, *C. Lowianum*, *C. giganteum* and *C. Lowii eburneum*, are all beautiful orchids of lasting qualities.

CYPRIPEDIUMS

As these orchids go out of flower they should be overhauled and divided where they are getting too large. Pot culture is preferable with most species. When re-potting be sure to use clean pots to prevent any attack of fungus and half fill the pots with clean crocks and some lumps of charcoal intermixed so the drainage will be effective. A thin layer of sphagnum should be laid over the crocks and charcoal. The plant can then be placed in position and the compost pressed in through the roots rather firmly, finishing the surface off in a convex shape. A good general compost to use is two parts of fibrous peat, one part of chopped live sphagnum, and for species such as *Cypripedium insigne* one-third of fibrous sod chopped up added to the above will grow them good. They should have from this out a well ventilated and bright house. Of course air will have to be admitted in less or greater quantities according to the outside conditions of the weather. When the temperature on bright mornings has reached 65 degrees they should have a little air put on, gradually increasing until the maximum of 72 is reached and reduce the air the same way. With dull days, about 68 degrees should be maintained, with 10 degrees less at night until the approach of spring. Give them enough water at the roots to keep the compost moist, but allow them to dry out occasionally so as to keep the compost sweet. Syringe overhead on good days.

CULTURE OF PALMS DURING WINTER

To ensure a free, healthy growth later on when the season arrives for renewed activity in root action, all the family of palms should now have a short season of rest. This can be brought about by lowering the temperature in the different departments, ventilation and less moisture in the atmosphere and at the roots. All palms of a tropical nature can be reduced to about 60 degrees at night, while the cooler growing kinds can have as low a temperature as 50 degrees, with advance of 10 degrees with sunshine. Ventilation should be given with intelligence so as not to cause draughts or sudden falling or rising of the temperature. A dryer atmosphere is an indispensable factor to produce the required conditions for resting palms, but sufficient water should be used on walks under benches for the prevention of a harsh, dry air. Plenty of light is of great importance, especially

through the winter season, but care will have to be taken that they have enough of shade when the sun's rays become more powerful, to prevent the scorching. Give water only when necessary, so as to keep the soil in the pots from getting saturated. It is well to go over and give all palms a good cleaning and sponging about once a month. This will keep down insect life.

DRACAENAS

From now on there is no better time to increase your stock of the many fine dracaenas. The most expeditious way of propagating these plants is from the ripened stems. If you have any old plants that have attained a considerable height and have lost a good many of their lower leaves, these can be utilized for propagation; also imported stems can be procured for this purpose. The stems can be cut up into pieces, with two eyes to each piece, and placed in a warm propagating frame where there is a bottom heat of 80 or 85 degrees. They root well in a mixture of coarse sand and chopped sphagnum in equal parts. Just cover the pieces and keep the atmosphere in a humid state and most of the pieces will start and push up young shoots. When these have made a growth of two or three inches they can be cut from the old stem and placed in a warm propagating bed where they will soon root. When they have made some nice roots they should be potted into 3-inch pots, using a mixture of turfy loam three parts, leaf mold one part, and a liberal sprinkling of sharp sand. Keep close and shaded for about ten days so they become well established, when they can be placed in a house of 60 to 65 degrees at night which will push them along.

GETTING READY FOR GRAFTING ROSES

Manetti stock is arriving now and should have care. Lose no time in having it unpacked, and while doing this pick the bunches that have the buds swelled so they can be potted right away; the others can be heeled in a cool shed or cellar that is frost proof, placing loam between the alternating layers. They can stay here until wanted for potting. It is a good plan to pot up as many as possible on arrival. Be sure to have them potted good and firm, they can then be given a house where the temperature stands from 40 to 45 degrees at night and give them a good soaking of water, with a syringing on all bright mornings. When they have made some roots they can be given a temperature of from 50 to 55 to hurry them into right shape for grafting.

THE FORCING OF TULIPS

Tulips that were boxed up early and have their flats well filled with roots can now be placed in a house where they will have a temperature of about 50 degrees at night. As growth advances they can be given anywhere from 60 to 75 degrees at night, but you will get your best flowers with about 60 degrees. Where you want quick development, the higher temperature will have to be given. Provide some shade with some light material such as cheese cloth, in order to produce a good stem. Keep plenty of water at the roots, with lots of moisture in the atmosphere, and you will have ideal conditions.

John J. M. Farrell

Mr. Farrell's next notes will be on the following: *Asparagus; Bedding Begonias; Care of Geraniums; Have Your Propagating Bench Ready; Hydrangeas for Easter; Roots Stored Under Benches.*

Fruits and Vegetables Under Glass

LATE GRAPES

Now is the time we value good grapes. Right at Christmas time we appreciate them as much as on a hot summer evening. With suitable varieties planted and proper treatment it is an easy matter to have good plump berries in into the New Year. Knowing the right sort to plant for this purpose is half the battle, as most late grapes can be grown as mid-season to early varieties but to put the shoe on the other foot means a short fit. The best known and consequently most grown late grape is Black Alicante—easily distinguished by the heavy shoulders carried by most bunches. This variety will hang longer than any other and seldom does a berry go wrong in it. Like most late grapes it has extra thick skin which is rather unpalatable, but is the secret of its keeping powers. A vigorous grower, of lasting constitution, sets very freely and stands the hot summer sun without a scald or burn. Undoubtedly the latest and best keeping late grape grown.

Lady Downs Seedling is often coupled with the foregoing, a variety of more recent introduction, carrying a smaller bunch of slightly better flavored berries. At certain stages of its growth it is liable to burn and scald, consequently is not so reliable. Gros Colman is a well-known late grape, its large foliage and magnificent berries at once attracting attention. This grape takes a long time to ripen and will soon show signs of over cropping or poor treatment. The fruit must be thoroughly ripe before using. It is second-rate in flavor at all times, but best just before the berries would shrivel. Often assumes a reddish tint which does not make it look so inviting as Alicante.

Apply Towers is one we find keeps well up to December 1st. The flavor is superior to any of the foregoing up to this date. It ripens three weeks to a month earlier than they, but keeps well while hanging on the vines. Medium size in bunch and berry, the flesh of which is sweet and juicy. This would be an acquisition to any late house furnishing first-quality fruit before the others come in.

Late white grapes are not so numerous. Muscat of Alexandria will keep a long time after ripening, but cannot be classed as a late grape. Lady Hutt has many good points to recommend it. The flavor is excellent, of medium size of bunch and berry, sets very freely and keeps for a considerable time without shriveling. This grape can be had in great shape for Christmas. When the object is to keep the crop as late as possible, keep the house cold through the early spring, leaving full air on night and day. The buds can be allowed to burst before any set temperature need be applied, after which it should not fall below 45. Grow them as cool as advisable right along and after the fruit is ripe in the fall gradually drop the house down to 45. Keep the atmosphere dry and whenever rain or fogs make it damp, keep a gentle warmth in the pipes. With ripe fruit hanging, at no time should they be allowed to become real hot. Let the temperature drop first. Excessive fire heat causes the berries to shrivel. A gentle heat with air on at all times should be the axiom.

POT VINES AND PEACHES

Pot vines and peaches started the first of the month should now have their temperatures raised to 45 to 50 at night. This will be sufficient for the peach trees until they are in flower. Keep the houses well moist to encourage the trees to break, and shut up early enough to raise the temperature to 65 or 70. Trees that are anyway sluggish in bursting their buds can be treated to a little steam in the atmosphere by spraying water on the hot pipes.

TYING IN PEACH TREES

Nothing is more pleasing in a fruit range than a perfectly shaped peach or nectarine tree tied on to a trellis. Often it takes some years to attain the desired effect—an evenly balanced and symmetrical tree, covering the whole trellis with good fruiting wood. Nor can this be attained with winter tying alone. During the whole growing season this end must be in view. The commencement is right from the time of disbudding and continues right through the season. When a growth is "heeled in" its position and size at the season's end should be carried in the "mind's eye." In so doing you can see what wood will be discarded at the next winter pruning and so you are ahead of your job and can train them in the way they should go. Every growth should be kept straight and no two should cross. The bottom of a tree should always be a first consideration as this is not usually abundantly furnished with strong young growths. See that as much good wood as possible is laid in here and the center will always fill itself up. It is advisable to leave a small space in the center on this account. The object in tying a tree thus is that it should look like the ribs of a gigantic fan—no two branches meeting each other if they were to be extended. To commence, tie the stronger branches into position first with strong string and the smaller ones will find their places afterwards. Leave room enough in the ties for the branches to swell and keep them from pressing hard against any part of the metal trellis by placing a thin lathe or piece of old hose pipe cut through the center between them, otherwise they are liable to "gum" as the metal becomes hot with the summer sun.

EFFECT OF WATER ON MUSHROOMS

Watering a mushroom bed is usually conceded to be the last drive for a crop. Beds having cropped for some considerable period will gradually wear out and watering will put new life into them for a time. This has a peculiar effect on a few of the smaller fungi that may be just emerging from the soil. They are unable to live in the sodden soil for a few hours until it can dry out a little, turn black and are useless. As long as a fair amount of mushrooms are coming, refrain from watering as this certain loss is bound to be felt. Were it possible to keep the soil half moist during the whole time the greatest results would be achieved, as it is always noticeable how a crop comes through after a watering and the bed has got to this state of "half and half." When watering use water having a temperature of 65 to 70 and soak the bed.

George H. Benson

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Worthy of a
better fate

It has been a very common habit with many old-school gardeners in this country to deplore the decline of interest in the cultivation of the so-called hard-wooded greenhouse plants,—New Holland and Cape plants, etc.—in recent years, and to make comparisons between the present day florist and his predecessor of a generation ago, not at all complimentary to the judgment or cultural attainments of the plantsman of today. This line of criticism has been aimed solely at the American grower. But we notice in *The Garden*, of London, issue of December 2, 1911, a lengthy communication lamenting over a similar decadence as prevalent in England, the writer intimating that the gardener under glass of the present time is far from being the equal of his fellows whose displays of ericas, epacrises, boronias, eristemons, hoveas, and the like were the crowning triumphs of cultural skill as displayed in the shows of the past. It is some consolation to know that the defection from old-time standards is, therefore, not local but that if we have fallen from grace we have done it in good company and, further, that the contributing causes have been practically the same, viz., the encroachment of the soft-wooded plants on the field, due in a large degree to the advancement in greenhouse construction and heating facilities—conditions which are not to the liking of the old-time hard-wooded favorites, the disappearance of which all plant lovers must regret.

An honor
well bestowed

In the following pages we have endeavored to set forth in a somewhat fragmentary manner the stupendous achievements of Victor Lemoine and to remind our readers, while the man is yet alive, of the invaluable services he has rendered to horticulture. If Victor Lemoine's garden children were to be all eliminated from our nurserymen's stock and catalogues it would leave an appalling void and a large share of our garden beauty would be gone. If *Begonia Gloire de Lorraine* alone should be taken from the florists' holiday plant list, how sadly we should miss it! In awarding the George R. White Medal of Honor to this world benefactor, the trustees of the Massachusetts Horticultural Society made no mistake. It is safe to say that no individual the world over, has done more or as much for this cause, not only in recent years but for more than half a century than Mr. Lemoine. As far back as 1855 he received the Medal of Honor of the Exposition Universelle in Paris. The great work of Lemoine as a hybridizer is too well known to require comment now, except that we cannot refrain from again alluding to its amazing scope. While other hybridizers have distinguished themselves with one or perhaps two genera of plants, Lemoine's work has extended over many, while his work on one of several genera, such as *Syringa*, *Philadelphus*, *Deutzia*, *Clematis*, *Gladiolus* or *Begonia* (several other genera might be enumerated) alone, would have well entitled him to the honor he is now accorded. The work of Victor Lemoine, like that of the Darwins, is a family work. Mr. Emile Lemoine has co-operated with his renowned father for many years and the third generation is already interested in it. But the horticultural world will with unanimity agree with us when we express the hope that the distinguished senior member of the house may yet be spared many years to continue his great and useful work.

Victor Lemoine

The announcement a short time ago in these columns that the trustees of the Massachusetts Horticultural Society had awarded the George Robert White Medal of Honor for the current year to Victor Lemoine of Nancy, France, as the person who has done the most during the year or in recent years to advance the interests of horticulture in its broadest sense, brought to us so many expressions of approval of the award that we feel sure our readers will be interested in learning more regarding the achievements of this great man. For much of the information herein presented we are indebted to our esteemed German contemporary, Moller's *Deutsche Gartner-Zeitung* and to our translator, Mr. Gustave Thomen. Coming as it does through a German medium the unqualified praise and recognition of merit extended to

him, ignorant though he may have been of the name of the benefactor.

The gardening world may well be proud of the many men who have made for themselves an honorable name by their diligent work in some particular, circumscribed specialty, but Victor Lemoine is the man of all men, who has been able to master the art of hybridizing in an astonishing degree and in so many and widely diversified lines. For threescore years he has worked, unostentatiously and without boastful claims and furnishing a notable contrast with the vain-glorious and preposterous propaganda put forward in recent years on behalf of inferior operators in this field.

Very often, indeed, the gardening world could not foresee or realize from the modest, brief announcements



VIEW IN THE GARDENS OF VICTOR LEMOINE

Reproduced from Moller's *Deutsche Gartner Zeitung*

a Frenchman by our contemporary on an occasion some four years ago has deeply impressed us (and doubtless many others) with the universality of horticulture and the utter ignoring of political or racial divisions and prejudices which is everywhere characteristic of the true follower of this, the noblest pursuit in which man can engage.

Almost sixty years of honorable and highly successful work, in one of the most difficult lines of horticulture, is the record of the subject of our sketch. Since 1852 Victor Lemoine has devoted himself and his time to the development of new and useful varieties of the horticulturists' most cherished subjects. There is no spot on this wide world wherever plants and flowers are raised, where we do not find representatives of Lemoine's hybrids or introductions; no florist or gardener, who has not, at one time or another, handled Lemoine's produc-

tion of Lemoine's novelties, what treasures were being placed within their reach. Still hale and hearty and laboring as industriously as ever this grand man at the age of 88 continues his loved occupation and it is to be hoped that a life so glorious and useful may be extended for years to come.

Victor Lemoine was born at Delme (Lorraine), Oct. 21, 1823. His ancestors for generations back had been gardeners. After his college studies at Vic-sur-Seille he devoted several years to traveling and then worked successively for Bauman at Bollweiler (Lorraine), and Louis Van Houtte of Ghent (Belgium), also Mieliez of Lille (France), and in 1850 established himself, with small means, as a florist and landscape gardener at Nancy (Lorraine). There he was a member of the town council from 1871 to 1888. On June 13, 1885, he was made a knight and on April 3, 1894, an officer of the

Legion of Honor of France. Lemoine is Hon. Vice-President of the Central Horticultural Society of Nancy, Hon. Member of the National Horticultural Society of France, the Royal Society of Agriculture and Botany of Ghent, the Royal Horticultural Society of Munich, etc., and is also corresponding member of the Massachusetts Horticultural Society, Boston. He had the honor of being the first foreigner to be presented with the Veitch Medal by the Royal Horticultural Society of London.

The first results of Lemoine's labor (double-flowered portulacca) were mentioned in the *Revue Horticole*, 1852. Then in 1854 the first double potentilla was introduced to the trade under the name of "Gloire de Nancy." Also his first *Streptocarpus* hybrids, produced by crossing *S. biflorus* with *S. polyanthus* in the hands of Veitch gave rise to the many now widely-distributed beautiful varieties. At the same time Lemoine tried to improve the fuchsia and raised the double-flowered hybrid "Solferino," which was well thought of for many years.

In 1862 Lemoine introduced *Spirea callosa* alba. The same year he succeeded in raising several hybrids of *Monochaetum*, among others *M. Lemoinei* and *M. sericeum multiflorum*, both of which are still cultivated. Also *Clematis lanuginosa candida*, a hybrid from *C. lanuginosa* and *C. patens*. In 1863 he gave to the trade *Clematis erecta* fl. pl., and in 1864 *C. lanuginosa nivea*, the first clematis with large white flowers. He also endeavored to improve the pyrethrum and introduced some twenty new double varieties which are still found in most collections. Eight varieties of *mimulus*, hybrids of *M. cupreus* and *M. quinquevulnerus* were evolved the same year. In 1865 *Clethra barbinervis*, *Stachyurus praecox* and *Weigela arborescens* were introduced, and in 1866 *Hydrangea paniculata grandiflora* and *Xylos-teum Philomelae*. *Spirea syringaefflora* and *S. intermedia*, hybrids of *S. callosa*, also *Delphinium elatum Keteleeri*, were raised. This same year, Lemoine sent out the first genuine double-flowered Zonal pelargonium, under the name *Gloire de Nancy*. This is the parent stock of all the beautiful double-flowered varieties which are now raised everywhere. At the exposition in Paris (1867) there were already quite a number of varieties in evidence, amongst others: *M. Lemoinei* and *Marie Lemoinei*, rose, and *Triomphe*, scarlet.

1867 was made notable by the introduction of *Abutilon malvaeflorum* from Mexico and *Platycrater Sieboldi*, from Japan. In 1868 Lemoine succeeded in crossing *Diervilla* and *Weigela* (*W. arborescens* and *D. multiflora*) and raised amongst a number of new varieties, *Weigela Lavallei*, which has not been superseded to this day. The next year he set out to study the influence of scion upon stock and in proof that such really exists, he produced *Abutilon vexillarium variegatum* through grafting. In this same year he introduced *Wistaria macrobotrys*, *Pyrethrum Tchibatchewii* and *Ceanothus Gloire de Versailles*; also raised *Begonia hybrida Duchartrei*—a hybrid from *B. Pearcei* and *B. subpeltata*—*Saxifraga crassifolia ciliaris* and *Clematis lanuginosa* etc. Froebel.

In 1870 came the introduction of *Stauntonia hexophylla* and the raising of *Weigela Lemoinei* and other

similar varieties, by crossing *W. rosea* with *W. multiflora*, and in 1871 Lemoine gave to the trade the double-flowered white *Clematis Lucie Lemoinei*. The same year he raised *Saxifraga crassifolia* fol. aureo-marmorata and *Begonia alata coccinea* by crossing *B. Sedeni* and *B. Veitchii*. In 1872 he introduced *Abutilon Boule de Neige* and raised *Begonia Corail Rose*, from *B. Veitchii* and *B. rosaefflora* also *Philadelphus dianthiflorus plenus*.

In the year 1874 Lemoine surprised the gardeners with his first double Tuberous *Begonia*, *B. Lemoinei*, which was followed in the course of the next few years by *Gloire de Nancy* and a large number of double varieties in all colors. In 1874 he also introduced *Phlox decussata Croix d'Honneur*, with striped flowers, *Clematis integrifolia Duandi* and *Salvia pratensis purpurata* and raised *Pelargonium* Mad. Thibaut, double. In 1875 he succeeded in crossing *Libonia floribunda* and *L. Penrhosiensis* producing *Libonia rutilans*, and introduced *Fuchsia Boliviana* from Mexico.

His introduction in 1876 of *Dahlia gracilis* brought into vogue the single-flowered dahlias. The same year he brought out a number of new varieties of *Primula cortusoides*, of which kind there were then only three or four sorts known. He introduced *Oxalis Ortgiesi* from Peru, *Salvia nigrescens* from Bolivia and *Gynierium jubatum* from the Chimborasso mountains and by crossing *Clematis lanuginosa* with *C. Jackmani* he raised *Andre Leroy* and others. Further he raised this year *Weigela Abel Carriere*, still one of the finest today, also the single *Lilac Jaques Callot* and *Gloire de Lorraine*, and eight more varieties of double tuberous begonias.

In 1877 Lemoine introduced *Hydrangea Japonica elegantissima* and *Begonia racemiflora* from Mexico and raised *Abutilon Darwini* gr., four new varieties of *Pelargonium peltato-zonale*, also Zonal pelargonium *Paul Louis Courier*, besides several double pelargoniums. At this time only one double variety (with lilac-colored flowers) was known. Then he gave to the trade this year a number of new fuchsias, early and late flowered. In 1878 he introduced *Iresine Wallisii* and *Nandina monstrosa* var. from Columbia and raised several valuable new pelargoniums, mostly dwarfs. At the international exhibition in Paris, he showed the first double-flowered lilac (*Syringa Lemoinei*), *Gladiolus Lemoinei* and *Gladiolus Marie Lemoinei*. These latter were produced by crossing *Gladiolus purpureo-auratus* from the Cape and a variety of *Gladiolus Gandavensis*. In 1879 he introduced *Lobelia lutea*, *Rubus phoenicolasius*, *Clematis coccinea* and *C. viticella alba*, also raised *Weigela Emile Galle*, *Ceanothus Aerostat* and *Phare*, besides five new *Primula cortusoides* and *Philadelphus multiflorus* pl. In 1880 he introduced *Carpenteria californica*, *Hydrangea jap. fol. tri-color*, *Arnebia echoides* and *Clematis Marie Boisselot* and raised double *Pelargonium Chancelier Faidherbe*. In 1881 he introduced *Cerasus Sieboldei* fl. pl., *Chrysanthemum Gloire Rayonnante* and other plants and raised *Wistaria frutescens* alba, *Syringa Rubella* pl., *Pelargonium Belle de Jour* and *Begonia Davisii* hyb. fl. pl.

In 1882 Lemoine introduced *Tacsonia Jamesonii* from Quito and raised *Primula cortusoides* Mme. Emile Galle, *Fuchsia boliviana rosea*, *Pelargonium Jeanne d'Arc* (white), *P. La Rosiere*, *Syringa Matthieu de Dombasle* (double), *Gladiolus Lafayette*, etc. He gave to the trade *Montbretia coccineaeflora*, a double-crossed seedling from *M. Pottsi* and *crocusmia aurea*. In 1883 he introduced *Streptosolen Jamesonii* and *Philadelphus microphyllus* from California and raised a number of new clematises, gladioli and fuchsias, also *Philadelphus rosaefflorus* pl.

His 1881 introductions included *Begonia manicata* aureo-maculata and *Abutilon Thomsonii* fl. pl. Raised *Begonia semperflorens* gigantea rosea and carminea, *Pelargonium Emile Lemoine* and the double *Belle Nanceienne*. A number of worthy varieties of delphiniums, primulas and gladioli were also raised, besides *Pavonia intermedia*, a cross from *P. Makoyana* and *P. Wiotii*. In 1885 Lemoine raised the double *Bouvardias* Sang Froid and Lemoine from B. Alfred Neuner and *leiantha*, several geraniums, montbretias and the double lilacs *Alphonse Lavallee* and *Michel Buechner*.

In 1886 the everblooming fuchsias were produced, by crossing trade varieties with *F. Ricartonii*. Also to the trade the double *Begonia Incendie*, the striped geranium *Citoyen des deux Mondes*, *Gladioli* Mme. Lemoine and *Vesuv*, *Weigela Congo* and the double lilacs *President Grevy* and *Mons. Maxime Cornu* and *Pyramidal*.

In 1887 *Clematis La France* was introduced. This year he raised *Heliotrope giganteum*, a cross from *H. peruvianum* and *H. incanum*, *Fuchsia* Mrs. E. G. Hill, *Pelargonium Galilee*, *Bouvardia flavescens* fl. pl. and the white *La Favorite*, *Gladiolus* E. V. Hallock, *Montbretias* *Drap d'Or* and *Eldorado*, also the double lilacs *Comte Horace de Choiseul*, *Mme. Jules Finger* and *Senateur Volland*. In 1888 he introduced *Elaeagnus Simonii* tricolor. Raised several *clematis*, lilacs, *begonias*, *Phlox decussata* *Eclairer*, *Gladioli* *Amiral Krantz*, *Lamark*, *M. Leveque*, *Pactole* and *Venus de Milo*, also the *Montbretias* *Rayon d'Or* and *Transcendant*. This year also gave him *Philadelphus Lemoinei*, a cross from *Philadelphus microphyllus* from California with *Philadelphus* of the trade. This established a line of plants with small foliage and rare scented flowers.

In 1889 his introductions included *Begonia Gera-noides* and *B. Natalensis*, *Euscaphis staphileoides*, *Dodecatheon Lemoinei*, *Begonias* *Lafayette* and *octopetala*. He raised *Montbretia Soleil Couchant* and the lilacs *Jean Barth* and *Emile Lemoine*. Lemoine also gave us this year *Gladiolus Nanceianus*, a cross from his best *G. Lemoinei* and *G. Saundersianus* from Capeland. He showed for the first time the sorts: *Comte de Choiseul*, *Maurice de Vilmorin*, *P. Du Chartre* and *President Carnot*. In 1890 he introduced *Aralia cashmerica*, *Clematis* *Baron Veillard*, *Asparagus retrofractus arboreus*, *Syringa Bretschneiderii* and *pubescens*, also *Begonia Baumannii* with scented flowers. Raised and sent out the winter-flowering *Begonias* *Triomphe de Lemoine* and *Triomphe de Nancy*, the double *Clematis viticella* *La Nanceienne*, *Philadelphus*, *Lemoinei erectus*, *Gladiolus Lemoinei* *Alice Wilson*, *Gal Blas* and *Nuee bleu* *Gladiolus Nanceianus* *Harry Veitch* and *Le Grand Carnot*, *Montbretia* *Aurora*, *Phlox Flambeaux*, the double, light blue lilac *President Carnot* and the double white *Mme. Lemoine*. His 1891 introductions were *Deutzia parviflora*, *Primula Poissonii*, *Lonicera Sullivantii* and *Chrysanthemum* *Louis Bochmer*. Raised *Spiraea Bumalda ruberrima*, the *Poloxes* *Etna*, *Matador*, *Pantheon*, the double lilacs *Belle de Nancy* and *Comtesse Horace de Choiseul*, the *Weigelas* *Descartes* and *Pascal*.

From now on the raising of new varieties, in so many different lines of plants, became really prodigious and we have room only to mention the most important of the sorts sent out by Lemoine, between 1891 and the present time. 1893 brought the grand *Begonia Gloire de Lorraine*, a cross from *B. serotana* and *B. Drucei*, *Barbacenia squamata*, *Hillia tetrandra*, *Tamarix laetifolia*, *Osteomeles anthlidifolia*, *Panax sessiliflorum* and *Viburnum dilatatum*, *Fuchsia* *Alfred Colomb*, *Begonia coronata* and numerous other things. In 1894 he sent out *Anemone* *La France* and *Jap*, the first Jap-

anese anemone raised from seed in Europe and raised the double lilacs *Louis Henry* and *Mme. Casimir Perier*. In 1895 the brilliant scarlet *Phlox Coquelicot* and the best one of the sort, *Lord Rabeigh*, were raised; also *Fuchsia* *Mme. Carnot*, *Deutzia Lemoinei*, and a number of good lilacs. In 1896 he raised *Crassula hybrida* rosea from *C. jasminea* and *Roecca falcata*, the double lilacs *Abel Carriere*, *Charles Joly*, and *Fr. More* and the single *Congo*. In 1897 *Rasselia Lemoinei*, *Gazania nivea*, *Heuchera brizoides*, the lilacs *Mme. Leon Simon*, *Marechal de Bassompierre* and *Prince de Beauvan*, also some *clematis*, etc. In 1898 from seed, *Begonia Vesuve*, *Deutzia gracilis* rosea and *D. venusta*.

It would require page upon page to record what Lemoine has produced in all from 1899 until today and it would simply weary the reader to go over the names of the amazing number of plants which this man has given to the world in these last ten to twelve years.

It is interesting to note which of his introductions or hybridizations Mr. Lemoine considers as the most valuable ones. Among the introductions are the following: *Clematis erecta flore pleno*, *C. integrifolia* *Durandi*, *C. Davidiana*, *C. Marie Boisselot*, *C. La France* and *C. Mme. Baron Veillard*; *Hydrangea paniculata grandiflora*; *Carpenteria californica*; *Polygonum baldschuanicum*; *Deutzia Vilmoriniae*; *Viburnum Carlesii*; *Spiraea Aitchisonii*; *Asparagus retrofractus arboreus*; *Begonia Baumannii*, *B. fulgens*, etc.

Amongst the hybridizations, he values most the double-flowered tuberous *begonias*, and the following in succession: *Gloire de Lorraine*, *Vesuve*, *Perle Lorraine*, *Corbeille de Feu*, *Semperflorens elegans* and *Argenteo guttata*; *Pelargoniums* *Gloire de Nancy*, *Belle Nanceienne*, *Paul Louis Courrier*, *F. V. Raspail*, *Paul Crampel*, *Emile Zola*, *La Favorite*, *Deuil de Miribel*, *Col. Poirine*, *Mme. Thibaut*, *Citoyen des Deux Mondes* and *Le Vesuve*; *Clematis* *Otto Froebel*, *Lucie Lemoine*, *Etoile Rose*, *Viticella Kermesina*, *La Nanceienne*, *Mathieu de Dombasle* and *erecta grandiflora*; *Weigelas* *Abel Carriere*, *Le Printemps*, *Conquerant*, *Glorieux* and *Avant-garde*; *Philadelphus Lemoinei*, *Lemoinei Avalanche*, *Lemoinei Mont Blanc*, *Lemoinei purpureo-maculatus*, *Lemoinei Rosace* and *Lemoinei Voie lactee*; *Deutzias* *Lemoinei discolor grandiflora*, *Lemoinei Avalanche*, *Lemoinei Boule Rose*, *Myriantha*, *gracilis fastuosa* and *gracilis Candelabrum*; *Syringas*, double-flowered *Lemoinei*, *Mme. Lemoine*, *Dr. Masters*, *Comte de Kerchove*, *President Loubet*, *Miss Ellen Willmott*, *Waldeck-Rousseau*, *Rene Jarry-Desloges* and *Victor Lemoine*, and single-flowered *Congo*, *Pasteur* and *Reaumur*; *Fuchsias* *Mrs. E. G. Hill*, *Christophe Colomb*, *Emile de Wildeman* and *Bertrone*; *Asparagus* *Suberanus*; *Pavonia intermedia* *Kermesina*; *Exochorda* *Alberti macrantha*; *Phlox* *Eclairer*, *Flambeau*, *Etna*, *Pecheur d'Islande*, *Joelyn*, *Matilde Serao*, *Coquelicot*, *Maximilien*, *Pous-sin*, *Tapis blanc*, etc.; *Peonies* *La Fiancee*, *Mme. Emile Lemoine*, *La France*, *La Lorraine*, *E. G. Hill*, *Sarah Bernhardt* and *Asace Lorraine*; *Anemones* *Japonica*, *Vase d'Argente*, *M. et Rose*, *Turban*, *Couronnement*, *D. France* and *Le Nain rose*.

During the last ten or fifteen years Lemoine has concentrated his efforts as vast energies upon improving the double-flowered tuberous varieties and many different crosses of *Deutzias*, *Paul Louis*, *Hydrangeas*, *Weigelas*, *Gladioli*, etc. The majority of these *Delphiniums*, *Pol-xes*, *Pantheons*, *Heucheras* and *Pentstemons* now cultivated in our gardens can be traced to Lemoine and his crosses. The large variety of *Delphiniums* especially the *Delphinium* *Comtesse de Paris* and *M. et Rose*

HISTORY of the FLORISTS' CLUB of PHILADELPHIA

By DAVID RUST.

The Florists' Club of Philadelphia was permanently organized on Oct. 5, 1886. For a year previous to this time there had been a temporary organization to prepare to entertain members of the Society of American Florists at their Annual Convention to be held in August, 1886. Unfortunately, we have no record of this temporary organization, nor of the first year of the permanent organization of the Club; therefore, the details of what happened during those two years are only to be obtained from some of the members who were active at that time, and as details obtainable from the different members do not agree in many respects, it is difficult, therefore, to form an accurate idea of the happenings during these two years. We know that Robert Craig was the first president, both of the temporary organiza-

an extract from the Philadelphia Times of January 15th, stating that the florists of Philadelphia held their Third Annual Banquet the night previous, and that Robert Kitt presided. This was the banquet of this society previously spoken of.

The first reference I can find to the Florists' Club of Philadelphia is in the records of the Pennsylvania Horticultural Society. Under date of March 16th, 1886, is the following extract:

"An appeal was made by a member in behalf of a fund for the entertainment of the Society of American Florists, at their convention in this city in August next. This matter was referred to the Florists' Club of this city to prepare and submit to this Society a resolution on the subject. At the following meeting of the Pennsylvania Horticultural Society held April 20, 1886, the following resolution was adopted:

Whereas, The Society of American Florists has decided to hold its next annual convention in Philadelphia, and as there will be 600 to 900 horticulturists from all parts of the United States; therefore, be it

Resolved, That the Florists' Club of Philadelphia (which club being organized for the reception and entertainment of these visitors), has the hearty endorsement of the Penna. Horticultural Society, which approves of the object of the said Club, and respectfully asks its members to contribute towards defraying the necessary expenses of the entertainment of the delegates, and therefore, making the reception worthy of the Horticulturists of Philadelphia."

The above will plainly show that at this time there was only a temporary organization, for the purpose of taking care of the members of the S. A. F., at their second convention. The meetings of the Club were now being held in the Library Room, Horticultural Hall.

In the American Florist, under date of November 15, 1886, Edwin Lonsdale says: (speaking of the Florists' Club), "It has now been made a permanent organization, that is to say, it was organized temporarily for the purpose of aiding the Convention of the S. A. F., but it had such a good influence on all concerned that there was nothing left but for it to become permanent. It is destined to be of service both to the National Society and to the Pennsylvania Horticultural Society."

We know that the convention was held, and that it was a great success. One of the chief features of this convention was the entertainment of the visitors by Mr. George W. Childs at his country place, "Wootton," Bryn Mawr, on Friday, August 20th, at which there were in attendance eight hundred persons. The photograph of this event we have hanging here in the club room, and in token of the kindness of Mr. George W. Childs, the Florists' Club presented him with a large bronze vase filled with foliage plants—a photograph of which we also have here in the club room. On the previous day the delegates to the convention were taken to Atlantic City (numbering about seven hundred and occupying ten cars). They were entertained at dinner at the United States Hotel by the Florists' Club. Our records show that there were 529 per-

sons registered as members of the S. A. F., at that convention. Robert Craig tells us about this meeting, which was the second of the S. A. F., that the late Peter Henderson was very skeptical as to the S. A. F. Conventions being successes, as it would be impossible to get a number of florists away from their business for a whole week in order to attend a convention; and that in his opinion the matter would be a failure. The Colonnade Hotel had been selected as headquarters for the S. A. F. delegates. By 7 P. M. on Monday, of the convention week, the Colonnade Hotel was filled up, members having arrived all day long from various parts of the country, and those coming at night had to seek other hotels. Mr. Henderson then admitted that he was wrong and that the success of the con-



ROBERT CRAIG

First President Florists' Club of Philadelphia

tion, and also of the permanent organization of the Club, and also Edwin Lonsdale was the first secretary. But we have no record of how long Mr. Lonsdale acted as secretary. He was elected secretary of the S. A. F., at the meeting here in August, 1886, therefore it is probable he resigned the secretaryship of the Club when he took up the duties of the secretary of the S. A. F., January 1, 1887.

Previous to the temporary organization, there had been no existence of a Growers' Association, the members of which used to meet monthly at Bell Hall Hotel in Philadelphia to fix the prices of the various kinds of florists' plants. A group of the florists, consisting of about two hundred persons, met in the city, now as the Florists' and Growers' Association. From what we can gather, this association met at 13th and Market streets, and had probably been in existence about three years. The American Florist in March, 1886, published



EDWIN LONSDALE

First Secretary Florists' Club of Philadelphia

vention was assured. The convention was a success in every respect, and after entertaining the visitors in a proper manner we find that the Florists' Club had over \$600 left on hand. It was the fact of having this money on hand that first started the idea of forming a permanent organization.

In making a research to find out the early history of the Club many interesting things are naturally discovered. It is impossible to give many of these incidents in the time usually allotted to the reading of a paper, therefore I will only mention a few, which apparently lead up to what appears to me to be the first essay decided upon by the Club. I find in Penna. Horticultural Society records of November 1885, that a silver medal was awarded to John N. May for a new Rose "The Bride," and a silver medal to Craig & Brother for Carnation "Sunrise," and silver medal to Hallock & Thorpe for new Chrysanthemum "Edna Craig," a

bronze medal to Hallock & Thorpe for new Chrysanthemum "Yum Yum," there being seventy-five seedling chrysanthemums staged at this exhibition, and the judges on new chrysanthemums and new carnations being John N. May, James Taplin, C. L. Allen, John Thorpe and William Hamilton. An interesting feature of this exhibition was that at the close all the commercial exhibits were sold at auction; one-fifth of the proceeds being turned over to the Penna Horticultural Society. The exhibition of so many seedlings at this show evidently inspired the following subjects for an essay, the following year, namely: "Is it better for florists of this country to bend their efforts towards improving existing varieties of flowers by hybridization, or shall we depend upon the florists of Europe to do this for us?"

We now come to the first minutes of this Club, which we have, and which are dated October 4, 1887; and under the reports of committees is the report of a committee (John Westcott, chairman), which had been appointed at the previous meeting, Sept. 6th, to decorate the rooms occupied by Mrs. Cleveland at the Hotel Lafayette, during the Centennial Anniversary of the Adoption of the Constitution of the United States. There is also a report of the auditing committee which shows a balance in the Keystone Bank on that date of \$624.95. This, apparently, was principally made up of the money "left over" from the '86 Convention. This being the annual meeting the following officers were elected: Robert Craig, president; Charles D. Ball, vice-president; Thomas Cartledge, treasurer; D. D. L. Farson, secretary.

We also notice that a movement had already been started to secure suitable property for the purpose of establishing a plant and cut-flower market, and a special meeting of the Club was ordered to find out how many growers would support the market by sending their plants and cut-flowers to it for sale. At this meeting Charles D. Ball read a paper on "How should horticultural exhibitions be conducted to be a financial, as well as artistic success?" At the November meeting of 1887, the Committee on Market reported, that on account of insufficient support and interest, the committee recommended that nothing be done in regards to a flower market at present. It was then suggested, and finally decided, that another committee be appointed to see if a building could not be bought for a club house and market combined. At this meeting it was also decided to hold an annual dinner on the opening night of the Chrysanthemum Show. A committee was also appointed at this meeting to look into the matter of incorporation of the Club. The subject selected for an essay at the December meeting was "Cut Flowers. How they should be cut, kept and shipped," the subject being assigned to Robert Kift. At the following meeting Mr. Kift declined to prepare this essay, whereupon a motion was passed that in future, when a member had been selected to read an essay before the club and declined to do so, he should be fined \$1.00. This resolution apparently had the desired effect, as Mr. Kift read his essay at the January meeting

(To be continued.)

GLADIOLUS NOTES.

Regarding Mr. Gage's complaint concerning the sterility of gladiolus bulbs, would say that with proper handling these old bulbs will yield bulblets freely, providing that normally they are freely produced, experiments along this line having given me good results regardless of age, flatness, etc., of bulbs, but further experimenting is needed to prove what are the underlying causes of sterility and fertility.

"What is the matter with the so-called pure whites?" This is a very easy question equally as easily answered they are not bred right. Augusta thus far has proven itself to be the very best all-around gladiolus, all things considered, of all we have ever tried, regardless of color. We have had very dry followed by very wet spells, and vice versa; through them all Augusta is the one sort that has never shown the ill effects of unusual and severe conditions, and this aroused our thinker as to the why. We had practically no rain from May 1st to Aug. 17th this season. While we keep the cultivator and weedeers going all the time regardless of conditions, still under such adverse conditions many sorts showed rapid deterioration in certain stages of development, whites as a rule showing evil effects first, then brilliant reds.

With the following whites, viz.: Aline, Alice Carey, Blanche, E. Kurtz, Europa, Hohenstauffen, Peace, Reine Blanche, etc., it gives one a very good chance to compare relative vigor, robustness, etc. and above all Augusta showed its superiority. Peace perhaps is next best but this year it showed a very heavy suffusing of red giving a distinct pinkish cast at a distance but still a very desirable sort. Alongside of these we had many seedlings of purest whiteness that showed superior ability to withstand severe adverse conditions, thus convincing us that the system of breeding we have followed is scientifically hence practically correct. Among these seedlings are many with plants taller than Peace, larger flowers than America, clearer white than Europa, larger spikes, very heavy petals, large bulbs, prolific breeders, some with only a few and some with many blooms open at once.

Some years ago we had a stock of over 500 bulbs of the grand Isabel. It was a very dry season followed by two weeks of very wet conditions followed again by a sudden change to severe dryness and in a few days we could see our grand Isabel going more rapidly each day to its doom. When digging time came we had about fifty runty bulbs of which only a few grew. This may serve as a history with us of many whites as well as other sorts. This season one lot of Reine Blanche were glorious, another a complete failure, but I have every confidence in it as a superior sort, which we have increased heavily, but quite a few of these newer sorts will not stay with us long owing to their breeding being faulty.

In extreme conditions, half-colored sorts are disintegrative.

Bred from highly disintegrative sorts their progeny will be likewise.

Bred rightly pure whites may be bred at will, and this is true of other colors.

Any tinting may be intensified or eliminated at will if right breeding is done.

Any or all characters of a plant may be increased or diminished if right methods are followed.

C. BETSCHER. Canal Dover, O.

DAHLIA VARIABILIS.

Ye, Mr. Editor, "variabilis" is its proper name, as years of culture have demonstrated over and over again. Apropos of the article by Alexander MacLellan, the suggestion may also apply to growers as well as dealers. As a general rule business men are honest, as the world calls honesty, but when a dealer runs short of stock quite a temptation offers to substitute or deliberately send something else. We have known this to be done and we have also known it to be done along the same line by growers. You know men don't always like to confess they haven't anything that is called for, and also they don't like to return the money or lose business, as the other fellow might get it. It's the same old tune the world over. But the bulb growers' position is "different." It is one of special honor. The seedsman must depend on the grower's word as he will know nothing to the contrary until the following season shows up the deal in all its blooming truthfulness. Let the trade give a fair price and then hold the grower responsible. I paid one season \$40 per 1000 for Shakespeare gladiolus and received Madam Monnaret that could have been purchased the same season for \$8 per 1000, and it kept me busy for two seasons making the matter right. However, I believe as a general statement both sides are ready to put up a square deal.

As a rule the dahlia is variable. One season often is very different from the previous one. An instance this past season shows this plainly. Mad. Van den Dael is a fine flower. This year with me not a good bloom was found, or one that had a complete center. Jack Rose did very poorly, yet both are good and we look for good work another season. We could name a half dozen other varieties that went the same way, yet all are good and some extra good. What causes it none can tell, but they may have by observation corrected some errors. Perhaps the moon runs more of the business than we are aware of. Perhaps early planting had its effect. Perhaps lack of moisture just at the formation of the flowering bud had its influence. Disbudding and cultivation are large influences in growing fine dahlia blooms. When we attempt to say just what is or is not the reason for variation we are treading in a region of which we know very little, and we might say trespassing in the realm of the Creator. The next of man is of an egotistical nature, and sometimes will claim the cause, and the cause of Mars thrown in. But the grand old dahlia grows still more grand. Dahlia variabilis is found to take a further road, and a deeper, and than even of the attractions of good and an ideal, and with a square deal and a united front, let us give the world the best possible in bloom and bulb.

E. S. THOMPSON.

Benton Harbor, Mich.

CLUBS AND SOCIETIES.

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The regular monthly meeting of the Gardeners' and Florists' Club of Boston was held Tuesday night, December 19, in Horticultural Hall. The most important business was the election of officers for the ensuing year. The balloting resulted in the election of Thomas Pegler, of Wollaston, presi-



THOMAS PEGLER

President-elect Gardeners' and Florists' Club of Boston.

dent; William J. Kennedy, of Brookline, vice-president; William N. Craig, of North Easton, secretary; Peter Fisher, of Ellis, treasurer; Herman H. Bartsch, of Waverley, Peter M. Miller, of Boston, William J. Patterson, of Wollaston, and William Sim, of Cliffondale, executive committee.

Fred E. Palmer gave a very interesting and instructive talk on "Dynamite and Its Uses in Garden and Farm," being his own experience and observations. He was enthusiastic over its employment for time and labor-saving, ease of use and its economy. Some interesting discussion followed. A report of the outing to Framingham was heard and it was the universal opinion of those who attended that it was one of the most enjoyable trips ever taken. It was recommended that the club take in more of these field days, as aside from the social side, much business benefit could be secured. Private men may not see any direct benefit from visiting commercial places, but they can never know how soon points gleaned from a commercial place may come in handy. About eighty persons went to Framingham.

Among the exhibits were noted a vase of red carnation St. Nicholas, from Baur & Steinkamp, Indianapolis,

Ind.; a fine display of Zonal Pelargoniums, from W. N. Craig, among which were Paul Crampel, an excellent red much used abroad and coming more into use in this country; snapdragons, from H. Huebner, Groton, Mass., among them being a new pink winter-flowering variety which is said to be best from October to March, free-flowing, and giving evidence of much promise for the future; azaleas and begonias, from W. W. Edgar Co., and a hybrid Freesia, from G. Bleicken, of Framingham.

AMERICAN GLADIOLUS SOCIETY.

A meeting of the Executive Committee of the American Gladiolus Society was held in New York City on December 6th, with the following members present: Arthur Cowee, A. T. Boddington, E. W. Fengar, I. S. Hendrickson.

The matter of a die and medals was taken up and discussed. It was finally decided to purchase a die and offer ten sets of medals the first year to as many local Horticultural Societies. It was thought best to offer a silver medal for first prize, and bronze medal for second prize, the ten sets of medals to cost \$70.00.

The matter of registration bureau was then taken up, and it was decided to combine this committee with that of the Nomenclature Committee already established, with trial grounds at Ithaca, New York, where all tests can be made. Regarding certificates of merit it was the sense of the meet-



WILLIAM N. CRAIG

Secretary Gardeners' and Florists' Club of Boston.

ing that these certificates should be awarded only by the Nomenclature Committee, and not by judges appointed for the annual exhibition.

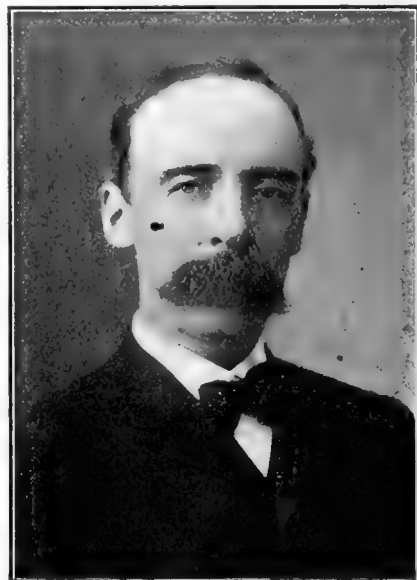
President Hendrickson has appointed Arthur Cowee and Professor Beal as members of the color chart committee.

L. MERTON GAGE,
Cor. Sec'y.

WESTERN DAHLIA AND GLADIOLUS ASSOCIATION.

The Western Dahlia and Gladiolus Association held its first annual meeting, Friday, Dec. 15, at the Hotel Sherman, Chicago, and the bulb show at 66 Randolph street. The meeting was called to order and adjourned to the rooms with the exhibits, and the program was carried out with the exception of two papers from members unable to be present.

Following the papers on the Gladio-



PETER FISHER

Treasurer Gardeners' and Florists' Club of Boston.

lus and its Future, by A. E. Kunderd, and Hybridization and Culture by H. W. Koerner, was a general discussion enjoyed by all. Carl Cropp gave some interesting points regarding late development of the corms of gladiolus and dahlia clumps showing that both plants largely increased in size and solidity late in the fall, but care must be used in not leaving them too late to be injured by severe frosts. He also suggested there might be a profitable future for the Colvilli type of gladiolus—Blushing Bride and others.

S. W. Pike of St. Charles, Ill., gave it as his opinion that late development of the bulbs was decidedly advantageous. The paper on American Bulbs, read by E. S. Thompson, completed the program.

Business of the association was then taken up. It was decided to appoint a committee on nomenclature, so that the work could be started at once. M. Crawford was appointed as such committee. The proposition to hold an exhibition of flowers in connection with the Society of American Florists, was placed in the hands of the executive committee, to correspond and have charge of the same if decided upon. The annual meeting of the association for the election of officers shall be held at the annual bulb show, some time in December of each year, date to be fixed by the executive committee.

No immense things were expected but those who have worked for the association feel well repaid with the reception by the trade as well as the amateur, and anyone interested missed a good thing if they did not look over the bulbs shown both dahlias and gladiolus, as well as canas, m., oxalis, lilies, montbretias, etc., all grown in the central west; Mammoth Bulbs of Kunderdi Glory, 4 inches in diameter; Koerner's giant-flowering hybrids, 3½ inches; Childsii; florists' mixture; King and America, 3 to 3½ inches in diameter, etc., etc.

Over seventy entries were made and the association is well pleased with the work. It is designed that other cut-of-door flowers grown from a bulbous root will be included in the scope of the work. Our aim is information to both trade and amateur.

E. S. THOMPSON, Sec.

NASSAU COUNTY HORTICULTURAL SOCIETY.

The annual meeting of this society was held in Pembroke Hall, Glen Cove, N. Y., on Wednesday afternoon, Dec. 13. The following officers were elected for the ensuing year: President, John F. Johnstone; vice-president, Geo. Barton; treasurer, Ernest J. Brown; secretary, Ernest Westlake; corresponding secretary, James McDonald; executive committee, Henry Gaut, John McQueen, A. McKenzie, S. J. Trepess, Jos. Robinson, H. Jones, James Emslie; trustee for one year, Valentine Cleres; trustee for three years, James Duthie.

John McQueen, James Holloway and E. A. Reidenbach were appointed judges of the monthly exhibits, and they awarded two first prizes for carnations to A. McKenzie. There was a very keen competition for the gold medal offered by Felix Mense for the best 100 single violets, which also was won by A. McKenzie. H. Boettcher got honorable mention for lettuce, James McDonald honorable mention for carnations, M. Bosworth honorable mention for lemon and Jos. Robinson certificate of culture for poinsettias.

A letter was read from Elmer D. Smith offering a special prize of \$10.00 for six blooms of Artistic Queen chrysanthemum to be competed for at the 1912 show.

The treasurer's annual report showed that the society had experienced a very successful year. It was decided to hold, if possible, the annual dinner on Jan. 25.

Mr. J. Holloway has offered a prize of \$5.00 to be competed for at the next meeting, for 25 carnations mixed, and the society's prizes in January will be for a vase of six spikes of antirrhinums, 25 sprays of sweet peas and specimen cyclamen.

E. WESTLAKE.

PENNSYLVANIA HORTICULTURAL SOCIETY.

At the annual meeting of this society, held Tuesday evening, December 19th, the following officers were elected for 1912:

President, Clement B. Newbold; vice-presidents, Randal Morgan, Henry F. Michell, Dr. J. Chester Morris, Robert Craig; treasurer, S. W. Keith; secretary, David Rust; professor of botany, Stewardson Brown; professor of horticultural chemistry, Dr. John Marshall; professor of entomology, Dr. Henry Skinner; professor of bi-

ology, Dr. Ida Keller; executive committee, Robert C. Lippincott, J. Otto Thilow, John W. Pepper, William Kleinheinz, James Boyd, Edward A. Schmidt, Dr. Robert Huey.

AMERICAN ROSE SOCIETY.

The members of the American Rose Society seem to be alive to the approaching exhibition and annual meeting to be held at Detroit, in January. This is a little earlier and a little different from hitherto, but from information now in hand, it would seem there is going to be a fine spread. We already have word of some entries. Another matter of interest, is in regard to the name of the Double Improved White Killarney, which was filed with the American Rose Society, and which exhibit took prizes and recognition at Boston, but owing to confusion in name, and upon request of various people this rose will hereafter be called "Double White Killarney, Reuter's Strain."

The list of guarantors is steadily increasing. This morning's mail brought three new names. The interest which the members of the American Rose Society are evincing shows that there is plenty of vitality among the rose growers. The show will be in combination with the Carnation Society, backed up by all the Michigan people. Robert J. Pyle, of Westchester, will give on some evening, an illustrated talk concerning his visit to England last June.

BENJAMIN HAMMOND.

December 18, 1911.

NEW YORK TO DETROIT.

The Transportation Committee of the New York Florists' Club have made arrangements as follows: Leave the Grand Central Station, N. Y. C. & H. R. R. on the "Wolverine," 5 P. M., Tuesday, January 9, arriving at Detroit, 7.15 next morning. Tickets for transportation may be had on the train, but reservations for berths, etc., should be made by January 8th at the latest. Fare, one way, \$16.00. Party ticket, of ten or more, will make the fare \$13.25. Lower berths, \$3.50; upper, \$2.80; compartment, \$10.00; drawing room, \$13.00. All those going from the east are invited to join the New York party. Any other information may be had of Frank H. Traendly, 133 W. 28th street.

Frank H. Traendly, W. F. Sheridan, John Young, committee.

YONKERS HORTICULTURAL SOCIETY.

On Friday, Dec. 15th, a meeting was held, and officers elected for the ensuing year. The balloting resulted as follows: President, Howard Nichols; vice-president, Francis Drexler; secretary, Louis Taylor; corresponding secretary, John Watts; executive committee, Louis Milliot, Thos. Mahony and W. Macdonald, for two years and R. Cochran, W. Neida and H. Wells to serve for one year.

A prize was offered for the most meritorious exhibit, and R. Cochran was awarded first for a well colored Amaryllis (Hippeastrum) in a six-inch pot. Louis Milliot was placed second with some very good old-fashioned plants with large well built up bracts. Mr. Hoffman received honorable mention for a very pretty dwarf conifer.

J. WATTS, Cor. Sec.

MASSACHUSETTS HORTICULTURAL SOCIETY.

The program of lectures and discussions during the season of 1912 has been issued. The lectures will be held at Horticultural Hall, Boston, on Saturdays, at 2 o'clock P. M., with the exception of the inaugural meeting, January 6. The list is as follows:

January 6. Inaugural Meeting. Annual Reports.

January 13.—Vocational Agricultural Education. By Rufus W. Stimson, Boston. Special Agent for Agricultural Education, State Board of Education.

January 20. Plant Introduction as a Government Policy. By David Fairchild, Agricultural Explorer in Charge, Office of Foreign Seed and Plant Introduction, Bureau of Plant Industry, Department of Agriculture, Washington.

January 27.—Insect Pests of the Garden and Orchard. By Prof. Edson F. Hitchings, Orono, Me.

February 3.—No Lecture on this date. Mid-winter Flower Show.

February 10.—General Discussion on Flower Culture. Opened by Robert Cameron, Superintendent Botanic Garden, Cambridge.

February 17.—Fungous Diseases of the Chestnut and Other Trees. By Dr. Haven Metcalf, Pathologist, Department of Agriculture, Washington. (The John Lewis Russell Lecture.)

February 24.—A Year's Vegetable Supply from the Home Garden. By William N. Craig, North Easton.

March 2.—General Discussion on Fruit Culture. Opened by Wilfrid Wheeler, Concord.

March 9.—Planning and Starting an Orchard. By F. A. Smith, Superintendent Turner Hill Farm Orchards, Ipswich.

March 16. My Fourth Botanical Expedition to China. By E. H. Wilson, Arnold Arboretum, Jamaica Plain.

March 23.—No Lecture on this date. Spring Flower Show.

March 30.—Color Arrangement in Flower Gardening. By Mrs. Francis King, Alma, Mich.

ST. LOUIS FLORISTS' CLUB.

The St. Louis Florists' Club held its monthly meeting Thursday afternoon, December 14th, in Odd Fellows' Hall, with a satisfactory attendance, this being the last meeting the club would hold this year. The trustees surprised the members with a few boxes of good cigars to smoke during the meeting and there was quite a lot of interesting matters which kept the members busy discussing them.

Baur & Steinkamp sent a vase of their new red carnation St. Nicholas, which was at once the centre of attraction for the carnation growers.

M. F. Wedener of Hahland, Ill., sent a fine plant of Beza and Lorraine, and sold quite a lot of them to the local trade. Thomas Carroll, one of the old members, was present for the first time in ten years. Mr. Carroll is blind, but the members gave him a little Christmas purse, which Mr. Carroll accepted with a neat response. All the old committees made final reports and were discharged with thanks. An interesting hour was spent discussing queries from the question box. Next meeting, January 11th.

HYBRIDIZING THE GLADIOLUS.

(A Paper by H. W. Koerner.)

The principal points to be considered in gladiolus crossing are habit of stem, number of flowers open, flowers set close to the stem and well expanded and most important of all, the color.

I don't like the Lemoine type, although I think there is a time coming when they will go ahead of any other type, for they multiply faster. The reason I don't like them is because they generally have crooked stems and only two to four flowers open at once. I can pick out any variety that has Lemoine blood by the aforesaid two defects. I have learned that the best varieties generally multiply the slowest. Some of the best kinds that I have been growing for ten years have not yielded enough to offer.

Dahlia pollination is more difficult. To do the work right you must employ a strong magnifying glass to see the anthers which should be cut off and to select the ripe pollen. I always select free flowering and long stemmed varieties to cross, and I never save shy bloomers or short stemmed varieties, for there are too many of that kind on the market already.

The best time of day for crossing is between 12 and 2 o'clock P. M., on a bright, sunny day.

Hybridizing is in its infancy and I am sure that there will be entirely new types and shapes never yet seen in both dahlias and gladioli and in peonies as well.

As to culture, there is not much to say; any soil that produces corn or potatoes will grow dahlias and gladioli, but plant deep—at least four inches below the surface. Gladioli should be planted early and dahlias late.

CLUB AND SOCIETY NOTES.

We have been informed that a Florists' Club was organized in Lancaster, Pa., on the 13th inst., but names of officers and other details are lacking. We wish them all success.

The Florists' and Gardeners' Club, Andover, Mass., held a meeting and supper the week of Dec. 11. The supper was followed by a discussion of plans for the coming show.

J. K. M. L. Farquhar of Boston lectured before the Horticultural Society of New York at the Museum of National History, New York City, on December 16, his topic being "The Gardens of Italy." A splendid series of lantern slides were shown and the lecture was enjoyed by an audience which filled every seat in the hall.

The florists and gardeners of Holyoke, Mass., met recently and organized a new club to be known as the Florists' and Gardeners' Club. The following officers were elected: President, George H. Sinclair; vice-president, Edward J. Canning; secretary and treasurer, Fred Bartlett; executive committee, D. J. Galivan, William Pickey and Reginald Carey. The club will meet the first Tuesday in each month, the next meeting to be held at the Smith College greenhouses, Northampton.

Obituary.

Henry F. Lord.

On Saturday, December 16, Henry F. Lord, treasurer of the Lord & Burnham Co. of Irvington, N. Y., met with a fatal accident. Mr. Lord was very fond of machinery of all kinds and took great pride in keeping his automobile in first-class running order himself. Last Saturday afternoon he remarked to a person whom he met on his way to lunch that he was going to enjoy himself that afternoon by beginning to overhaul his automobile. Soon after lunch he left the house, and when he failed to return after dark his family became anxious, and called up several of his friends to find out if he was with them. Failing to locate him they began to search and soon his son, Arthur, discovered him pinned under his automobile in the garage. He summoned help, and the body was soon extricated. The doctor who was summoned said death must have been instantaneous as the entire weight of the automobile rested on his body.



HENRY F. LORD

Mr. Lord had removed the wheels and had the machine resting on blocks. In loosening some of the parts he must have moved it so that it tilted the blocks, allowing the automobile to fall.

The funeral was held at his residence at Irvington, Tuesday afternoon. It was largely attended, and the floral remembrances lined the room on all sides.

The deceased was a son of Mr. Lord, founder of the firm of Lord & Burnham Co., and ever since leaving college has been associated with the company in the manufacture and building of greenhouses. He was born in Buffalo, N. Y., March 31st, 1855, and has resided in Irvington forty-one years, the family having moved there when Henry was fifteen years old.

Mr. Lord was a man through and through, always bright, cheerful and kind. To know him was to like him, and he was widely known and respected in Irvington and all the adjoining towns. By his death the Lord & Burnham Co. loses one of its most trusted and faithful officers, and he will be greatly missed by all members of the company.

Mr. Lord leaves a widow, three sons and one daughter.

Lucius S. Fife.

Lucius S. Fife, florist, died at the home of his daughter, Mrs. Charles E. Buell, on the Buckland Side, Shelburne Falls, Mass., Dec. 15, aged 70 years. He was born in Cleveland, O., Dec. 27, 1840, and came to Shelburne Falls with his parents when nine years of age, and had made it his home ever since. Mr. Fife established the first greenhouse in Shelburne Falls in the early 80's, and had been in the florist business up to a few months ago, when he sold out his business.

Henry Adam Sauer.

Henry Adam Sauer, 64 years old, well known florist of Northeast Minneapolis, Minn., died at his home, 1416 Adams street, N. E., on Dec. 12. Mr. Sauer was born in Winkeldorf, Hanover, Germany, coming to this country in 1869. He moved to Minneapolis in 1898 and conducted a florist shop until last July, when ill health forced his retirement. He is survived by his wife, two daughters and two sons.

Charles E. Clarke.

Charles E. Clarke, florist and market gardener, Vienna street, Newark, N. J., was found dead on the road, Dec. 8, the coroner's verdict being death from apoplexy. Mr. Clarke was born in Chatham, N. Y., and went to Newark twenty years ago, being engaged in the florist business. He was an active grange worker and frequently lectured before them. He was 69 years of age.

Frederick A. Seidlich, Jr.

After a long illness, Frederick A. Seidlich died at the home of his father in Catonsville, Md. For several years he conducted a greenhouse on Ingle-side avenue, Catonsville. He was a member of the Baltimore Gardeners' and Florists' Club.

Frank Pierkovski.

Frank Pierkovski, florist, of White Plains, N. Y., died at White Plains hospital on Sunday, December 17, aged 47 years. The funeral took place on Wednesday. Mr. Pierkovski was a long-time member of the New York Florists' Club.

Anthony Schramm.

Anthony Schramm, member of the firm of Schramm Bros., Toledo, O., died Dec. 1, of typhoid fever, aged twenty years. His mother, three brothers and one sister survive him.

Arthur G. Greatrex.

Arthur G. Greatrex, aged 60 years, died soon after taking up his new duties at Muir's greenhouses at Scranton, Pa. He was formerly employed by Morrell Bros.

J. Q. Mulford of Lebanon, Ohio, was recently crushed to death when a stone wall fell on him.

Bridgeton, N. J.—The flower store of Theodore Edwards, Irving avenue and Commerce street, was destroyed by fire on December 11. No insurance.

LILIUM HARRISII

(The Bermuda Easter Lily)

LET US supply your wants in Lilies this season

We think we can make it to your advantage to do so, as regards both quality and price.

The stock that we offer is not gathered indiscriminately from all kinds of sources, but is grown for us by a few selected growers, whose stocks have been worked up from the true, original stock. In order to ensure the health of the product, the bulbs are not grown on the same field oftener than one season, other crops being grown on the field the preceding year. The ground is thoroughly manured when the previous crop is grown, leaving it in a high state of cultivation, and when the lily bulbs are planted no fresh manure is used, and this prevents disease and ensures a crop of strong, healthy bulbs.

In addition to this, we do not dig our bulbs as early as they are usually dug, but leave them in the ground until they are thoroughly ripened and matured. When Harrisii is good, it leaves little to be desired. There is very little, if any, stock obtainable as good as the stock that we are offering. We are supplying only this one grade of selected stock, and when this is disposed of, we shall have no more to offer.

While the quality of the stock that we offer is of the highest, our prices are as low as, or lower than, the prices of those who offer the ordinary stock gathered from indiscriminate sources. We are sure buyers will find our stock very satisfactory, and much more so than the Japan-grown Longiflorum, which has badly deteriorated in recent years.

Bear in mind that we were the original introducers of Harrisii in Bermuda, and that we have exceptional facilities for obtaining our present supplies. Also take note that the smallest bulbs that we offer are 6-7 inch bulbs, not 5-7 inch, as usually offered.

6-7 inch bulbs, 335 to the case, \$15.00 per case; full thousand lots, \$40.00 per 1,000.

7-9 inch bulbs, 200 to the case, \$16.00 per case; full thousand lots, \$75.00 per 1,000.

9-11 inch bulbs, 100 to the case, \$18.00 per case; full thousand lots, \$175.00 per 1,000.

FERNS

We have an exceptionally nice lot of ferns in the following varieties,—good, bushy, well-grown plants that will please the most critical buyers. Plants have been grown in pots, and are thoroughly well established and nicely finished.

Nephrolepis Bostoniensis and Pierstoni, 6-in. pots.....\$0.50 each

Nephrolepis Elegantissima, Pierstoni, Bostoniensis, and Harrisii, heavy 8-in. plants.....\$1.00 to 1.50 each

Nephrolepis Elegantissima, Bostoniensis, and Harrisii, heavy 10-in. plants 2.50 each

F. R. PIERSON COMPANY, Tarrytown-on-Hudson, NEW YORK

BRITISH HORTICULTURE.

Carnation Show.

An interesting and varied collection of blooms was seen at the show of the Perpetual Flowering Carnation Society, in London, on Dec. 5th and 6th. The leading trade growers were well represented. The gold medal for a group of carnations was secured by W. E. Wallace, of Eaton Bray, Dunstable, Bedfordshire, whose fine display included May Day, White Perfection, Scarlet Glow, Daylight, Britannia, Enchantress, Rose Pink Enchantress, White Enchantress, Winsor, Carola, Gloriosa, etc. There was only one competitor for the Brunton cup for three vases of British novelties distributed since 1909, this being B. E. Bell, of Castel Nursery, Guernsey, who exhibited Constance, Judith and Coronation. The American Carnation Society presented a challenge cup for three vases of American novelties. This was secured by Mr. Wallace with Gloriosa, May Day and Scarlet Glow. B. E. Bell was second and W. Wells & Co., of Merstham, Surrey, third. Altogether the show was considerably in advance of those of previous seasons.

National Dahlia Society.

The annual meeting of this society has recently been held in London. A letter was read from Mr. Edward Mawley, resigning his office as president, owing to his health. This an-

nouncement was received with the members' deep regret, warm-hearted tributes being paid to his long and valued services. The annual report stated that the society had held two shows during the year, one at the Crystal Palace, and the other at the Royal Botanic Gardens, Regent's Park. The dry season had considerable influence on the early production of bloom, and in consequence the exhibits were not so numerous as in previous seasons. A series of trials was carried out by Messrs. Cannell & Sons, of Swanley Point, Kent. The trials brought into prominence the best varieties for garden decoration, and the report of the committee of inspection will be published in due course. In order to assist the society in its work members of the trade have most generously decided to forego their prizes in the nurserymen's classes for the present year. By this means the society has been able to carry out its work, and now has a balance on the credit side. More than 20 new members have joined during the year, and the majority have taken part in the exhibitions. The committee had offered a gold, a silver-gilt and a silver medal for competition at the International Horticultural Exhibition next year. George Gordon, editor of the "Gardener's Magazine," was appointed president, Joseph Cheal, of Lowfield Nurseries, Crawley, chairman of committee, J. Green, Dereham, Norfolk, treasurer and E. F. Hawes, London, secretary.

W. H. Adsett,

THE FIRST AMERICAN ORCHID HYBRID.

Editor HORTICULTURE:

I notice in your December 16th issue that Mr. Joseph Manda is credited with being the raiser of the first orchid hybrid in America. In the year 1882 I raised a number of hybrid calanthes. One of these received a silver medal from the Massachusetts Horticultural Society in the year 1890. If your date is correct Joseph Manda would have been about eight years old, and living in Bohemia. If he went to Pitcher & Manda in 1888 he would be about 14—rather young to have served an apprenticeship.

I do not lay claim to have raised the first orchid hybrid in America, neither do I think Joe Manda wants anything he is not entitled to. It might be well for you, Mr. Editor, to try and find out who the raiser of the first orchid hybrid in America was.

Yours very truly,

RICHARD GARDNER.

Newport, R. I.

P. S.—What about George Savage, or William and R. M. Grey?

The foregoing communication is of more than passing interest, and we should be pleased to hear from any one of our readers who has knowledge of early orchid hybridization in this country. We might add here that two other mistakes appeared in our notes on Joseph Manda's election as president of the N. Y. Florists' Club, his address being given as South Orange, instead of West Orange, and his term of membership in the N. Y. Florists' Club, eighteen instead of twenty-one years, the latter being correct.

During Recess

TRIP TO FRAMINGHAM, MASS.

The field day of the Gardeners' and Florists' Club of Boston, was held Dec. 16, commercial houses in Framingham being visited. The party comprised about sixty, at the start, but before arriving at Framingham it amounted to about eighty. At William Nicholson's a splendid carnation display was inspected. The houses were in fine shape. A new yellow, Golden Ray, attracted much attention, as also Pocahontas, dark crimson. A big lot of Godfrey callas were also in evidence. John T. Butterworth, South Framingham, was next visited, where the stock is mostly orchids, and is a model of cleanly up-to-date culture. Among the cypripediums, now blooming in quantity, many of the choice yellow forms were in evidence. Some fine Winsor carnations were seen here. Peter Miller, T. H. Westwood and Wm. J. Kennedy made impromptu speeches. Refreshments were served at Goddard's and Butterworth's, and everyone returned to the city well satisfied with the trip. In all the places visited White Wonder seems to be superseding White Perfection carnation. Both Nicholson and Goddard are growing the new Marguerite Fred Sander in quantity for cut flower purposes, and it appears to be a winner. Sam J. Goddard's new King house met with much favorable approval.

Chicago Bowling Scores, Dec. 14.

ORCHIDS.			VIOLETS.		
Hochstet.	171	195	160	Byers.	211
Graf.	167	170	167	Schl'son.	113
Krauss.	144	165	161	Vogler.	137
Earby.	149	157	150	Sweeney.	112
Zech.	186	178	201	Edwin.	177
CARNATIONS.			ROSES.		
Lorman.	190	179	194	Stack.	139
Ayres.	139	183	162	Dezman.	93
Schultz.	188	160	190	Friend.	157
Buller.	149	186	165	Ross.	133
A. Zech.	164	176	161	Wolf.	116

CHICAGO NOTES.

Trade Jottings.

Frank Benthley has bought out his partner's interest and the firm of Benthley & Briscoe of Tipton, Ind., becomes the Frank Benthley Co.

The Chicago Carnation Co. has registered a very promising new red carnation, formerly known as seedling 1000, under the name of Aviator. Those who have seen it growing speak highly of the particular quality claimed for it—extreme productiveness. The writer saw it a year ago and Manager Pyfer states that as high as forty blooms can be picked from a single plant in a season. It will not be disseminated this year.

At this writing the retail flower stores are still incomplete as to their Christmas dress, but there is plenty of evidence that some new ideas will be developed. At Harry C. Rowe's a new variety was a corner of Alex ap... growing in its natural state... of... long... bell... from the... with... effect... J. Marcel had... effects... were... ruffling and... about the base... bea... day is bringing new de-

HEADQUARTERS FOR Araucarias, Ferns, Palms, Rubbers, Etc.

Araucaria excelsa, 6-in. pots, 1, 5, 6, 7 tiers, 20 to 35 inches high only 60c., 75c., \$1.00, and \$1.25.
Araucaria robusta compacta and glauca, 6 in. pots, \$1.00, \$1.25, \$1.50.
Rubbers (leaves elastic) 20 to 35 inches high, 5½, 6 and 7-inch pots, 35c., 40c., 50c., 75c. to \$1.00.
Ferns: Boston, Scottii, Whitmanii, and Scholzei, 5½, 6 and 7-inch pots, 30c., 40c., 50c., 75c. to \$1.00. **Wilsoni** in 6-inch pans, made up of three plants, large, 35c. per pan.

Lantania Borbonica, large, 7-inch, 8 leaves, 30 inches high, 75c. to \$1.00. Made up of three plants, 25 inches high, only 60c.
Asparagus plumosus, 4-inch, 10c.; 3-inch, 5c.; 2½-inch, 3c.
Asparagus Sprengerii, 4-inch, 10c.
Kentia Belmoreana and Forsteriana, 5, 5½ and 6-inch pots, fine value for the money, 50c., 60c., 75c., \$1.00, \$1.25, \$1.50 to \$2.00.
Primula Chinensis, Chinese Primrose, in full bloom, 4 inch, 10c.; 5 inch, \$2.50 per dozen.

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CYPRIPEDIUM CAUDATUM

We have received a small importation of this almost extinct orchid and can offer a limited number of same at moderate prices. Write for particulars.

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Six, nine and twelve dollars per dozen.
Pink, white, variegated and red.
Red in small size only.

BEGONIAS.

5 inch 50c.; 6 inch 75c.; 7 inch \$1.00 each.
Extra fine plants.

CYCLAMEN.

5 inch \$5.00 per dozen. Larger plants \$9.00 and \$12.00 per dozen.

PIRROSES.

5 inch \$3.00 per dozen.

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ALSO FULL LINE OF PLANTS FOR CHRISTMAS.

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Tel. 2890 Bedford BROOKLYN, N. Y.

NEWS NOTES.

W. Springfield, Mass. — George Cooley, of Maple street, has been remodeling his plant the past few months and a new heating outfit has been installed.

Holliston, Mass. — Jeremiah Long, florist, received a verdict of \$157 against John C. F. Slayton for plants and flowers and his services in decorating Slayton's home at Millis in June, 1909. Slayton had protested the bill as excessive.

Those who have occasion to measure the diameter of carnation flowers will find the scale cards issued by Kroeschell Bros. Co., of Chicago, a most excellent and handy device. The scale of points used by the American Carnation Society in judging is also printed on the face of the card. Sent by mail by Kroeschell Bros. on request.

signs in window decorations to light and they will be noted in our next issue.

Personal.

Henry Klunder is now with the Bohannan Floral Co.

C. M. Dickinson is back from a business trip to New York.

George Asmus, manager of the Schiller Flower Store, is laid up with rheumatism.

George Stranger, who has been with various retailers in Chicago, is now in the florists' business in San Francisco.

Arthur Demmler, who has been with W. J. Smyth the past two years and took a medical course at the same time, left for California where he will practice medicine.

Visitors—Z. Tanner, Kenosha, Wis.; C. E. Carter, Joliet, Ill.; Mr. and Mrs. J. J. Soper, Rockford, Ill.; Michael Rochlin, Sioux City, Ia.; Frank Grolley of Grimm & Gorley, St. Louis, Mo.

Seed Trade

The following letter, of which a copy has been kindly furnished us, is self-explanatory:

Geo. W. Kerr, Esq., Doylestown, Pa., U. S. A.

Dear Sir: I read with much pleasure and interest your letter to the editor of Horticultural Trade Journal in the issue of the 6th re. sweet pea seed. It has been my contention ever since I had anything to do with the growing of this beautiful flower that California could not help producing absolutely the finest seed in the world, and for the two reasons mentioned in your letter, viz.: climatic conditions are perfect and the soil has no equal.

I am of the opinion that the sooner this clap-trap about English-grown seed was exposed, the better it would be for both buyer and seller. Our climate here in five seasons out of ten is totally against the developing and maturing of seeds.

I hope your letter will be the means of clearing away that mist which has hung around the "heads and opinions" of the greater number of our seedsmen. We are a great nation, but at any rate let us get rid of that "swelled-headedness" which is a curse to our larger development. We are not "the only pea in the pod," and the sooner we realize this the better it will be for us

Yours faithfully,

ANDREW REID.

Edinburgh, Scotland, Dec. 12, 1911.

Horticultural Commissioner B. V. Sharp of King's County, Calif., has issued a notice warning California merchants not to handle alfalfa seed from Utah or adjacent states and advising that they demand California seed only. This, it is understood, is on account of the prevalence of the alfalfa weevil in Utah.

MEDICINAL LEAVES AND HERBS.

The Department of Agriculture has just issued a bulletin on leaves and herbs used as medicine. Nor is this the first publication put out by this department on the subject of medicines—the others being Weeds Used as Medicine, Root Drugs and Medicinal Barks.

Collectors of medicinal plants have made such insistent demands on the department for a guide in their work that a description of 36 medicinal plants, including only such as are in most common use, has been prepared by direction of the secretary, fifteen of these being mentioned in the Eighth Decennial Revision of the U. S. Pharmacopoeia.

Each plant is listed under the name in most common use, but synonymous common names, and the pharmacopoeial name, if any, are also given, that no one should have difficulty in recognizing the plants familiar to him, or in identifying an unknown one, if of the series, from the description given.

A VALUABLE CLIMBING ROSE.

Prof. C. S. Sargent is practically a hardy yellow Climbing Tea rose. It is a strong and lusty grower, bronze-green foliage larger than the Ramblers.

The new growths are blood-red and very decorative.

We have a specimen planted six years ago, having a spread of twenty-five feet and ten feet in height. All the growth is made on the bush from the main stalk which is now two inches in diameter near the ground.

The color is very persistent, being a strong orange yellow, lasting until



the petals fall. The flowers are very full, being crowded with petals.

It blooms about June 15th, which is two weeks earlier than the true Ramblers, thus making the season that much longer. It is an American seedling—a cross between the hardy Wichuraiana x Souv. de Aug. Metral, a red French Tea rose.

A. J. FISH.

New Bedford, Mass.

50,000 GLADIOLUS--Mixed WANTED

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We make a specialty of growing all kinds of Vegetable Plants for the Seed and Plant Trade, including the best varieties of Flowering Tomatoes, Asparagus, Cauliflower, Egg Plants, Peppers, Parsley, Lettuce, Cabbage, etc. Special prices made on large orders for Spring delivery. Let us know your wants. We have a fine lot of Tomato Plants, transplanted and potted: Comet, Lorillard, Bonney Best, Suttons' A-1, Suttons' Abundance and Winter Beauty, also Extra Early Erfurt and Snowball Cauliflower. **FOX-HALL FARM, R. F. D. No. 2, Norfolk, Va.**

FRENCH VEGETABLE SEEDS

Lettuce, Imported Big Boston; Forcing Lettuce (black seeded); Radish, Scarlet Globe, White Tipped Scarlet Turnip; Beet, Crosby; Cabbage, Early Flat and Savoy; Celery, Self-Blanching and Green; Beet, Spinach, Endive, etc., the same varieties as the market gardeners of Paris use.

BEAULIEU, Woodhaven, N. Y.

MAMMOTH VERBENAS

NEW CROP SEEDS

Blue, Pink, Scarlet, Striped, White

Trade pkt. 30c. Oz. \$1.25

FANCY MIXTURE

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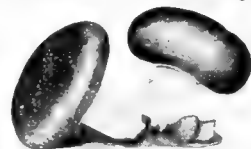
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We will quote most attractive
figures to dealers, as well as to
large and small growers. Our quality
speaks for itself and is guaranteed.

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BEST STOCKS. ALL VARIETIES.

The Haven Seed Co.

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and Flower Seeds. Trade List on application.

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That everybody will want.

Solanum Capsicastrum Melvini

The best introduction in Holiday Plants, for years. A money-maker. Plant dwarf, bushy, 12 to 15 in. high, covered with brilliant scarlet berries, conical shaped and carried well above the dark shining foliage.

Awarded First Class Certificate by Mass. Horticultural Society and Gardeners' and Florists' Club of Boston.

Sow seeds in Jan. or Feb. for next Christmas. Ten packets, \$1.50; 100 pkts., \$12.50.

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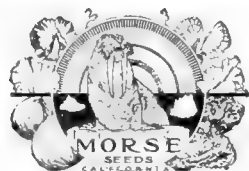
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BAMBOO from Japan, 100, 65c.; 1000, \$5.50.

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NEW CROP SEEDS ARE IN

(Less 10 per cent. if cash is sent with order.)

Asparagus Plumosus Nanus,
greenhouse grown, \$4.00 per 1000 seeds
Salvia Bonfire, 25c. Tr. Pkt. \$2.00 oz
" Sp'endens, 15c. " " \$1.50 "
Verbena Mam. choice mixed 15c. " " \$1.50 "

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CHINESE SHRUBS and VINES

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LILIAM HARRISII, 7-9 inches in circum. at \$17.00 per case of 250 bulbs.
WHITE ROMAN HYACINTHS, 12-15 cms., at \$18.00 per 1000.

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Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin Seed; Sugar, Flint and Field Seed Corns.

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Of Interest to Retail Florists

Altoona, Pa.—Myers Bros. have
moved from the Christy building to
1016 Green avenue.

Calais, Me.—J. R. Sederquest has
moved his florist store to his new
premises adjoining the Windsor hotel.

Hyannis, Mass.—Samuel W. Hallett,
florist, has moved into the store on
Main street previously occupied by
A. G. Guyer.

Great Barrington, Mass.—Frank Els-
ner, florist, expects to move to Pitts-
field the first of the year, where he
will follow the same business.

STEAMER DEPARTURES

Atlantic Transport.

Minnewaska, N. Y.—London... Dec. 30

American.

St. Louis, N. Y.—S'hampton... Dec. 30

Cunard.

Saxonia, Boston-Liverpool... Dec. 28

Lusitania, N. Y.—Liverpool... Dec. 27

Campania, N. Y.—Liverpool... Jan. 3

Hamburg-American.

Pres. Grant, N. Y.—Hamburg... Dec. 28

Holland-America.

Ryndam, N. Y.—Rotterdam... Jan. 2

Leyland.

Winifredian, Boston-Liverpool... Dec. 30

North German Lloyd.

K. W. der G., N. Y.—Brinn... Jan. 4

Red Star.

Kronland, N. Y.—Antwerp... Dec. 27

White Star.

Adriatic, N. Y.—Liverpool... Dec. 28

Maestri, N. Y.—S'hampton... Dec. 30

NEW FLOWER STORES.

Sewickley, Pa.—W. H. Rosenbauer.

Daytona, Fla.—Leon Desplaud, Mag-
nolia avenue.

Pittsburg, Pa.—Karl Klinke, 931 Lib-
erty avenue.

Cleveland, O. Knoble Bros., 1836
West 25th street.

New York, N. Y.—Charles B. Austin,
5 East Twenty-eighth street.

New York, N. Y.—Alex. M. West-
wood, 110 West Twenty-eighth street.

San Francisco, Calif.—The St. Fran-
cis Floral Co., 127 Powell street, the
Hackel Floral Co., proprietors.

Stamford, Conn. E. C. Haines &
Co., Bedford Hills, N. Y., branch store.
Also one at Peekskill and Mt. Kisco,
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ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

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JACOB SCHULZ,

550 South Fourth Ave.

Member Florists' Telegraph Delivery.

THE BUYING SEASON

for **Florists' and Standard [Winter Indispensable Goods]** is now at its height. We have been, are now, and expect to continue

WORKING OVERTIME ON ORDER SHIPMENTS

Fall trade this season is far beyond any previous years and the quality and variety of the stock in our warerooms and coming in from abroad fully warrants it.

It would take pages innumerable to tell you all we have that you should stock up on. Our catalogue tells all this in detail with splendid half-tone illustrations. **Send for it and see.**

HELP US AND WE WILL HELP YOU

H. BAYERSDORFER & CO.

THE Florist Supply House of America

1129 Arch Street, - - - PHILADELPHIA, PA.

BOSTON, MASS.

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"Penn. The Telegraph Florist"
Member of Florists' Telegraph Delivery
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NEW ENGLAND FLOWER DELIVERIES

Send flower orders for delivery in Boston
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Your orders for flower or plant delivery
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BOSTON'S BEST In Quality and Design

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Leading Retail Florists Listed by
Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Albany, N. Y.—The Rosery, 76 Malden
Lane.

Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edw. MacMulkin, 194 Boylston St.
Boston—Penn. the Florist, 37-43 Brom-
field St.

Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—Robert G. Wilson, Ful-
ton St. and Greene Ave.

Buffalo, N. Y.—Palmer's 304 Main St.
Buffalo, N. Y.—S. A. Anderson, 440 Main St.
Chicago—Williams J. Smyth, Michigan
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Detroit, Mich.—J. Bretmeyer's Sons,
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New York—Young & Nugent, 42 W. 23rd
New York—Dards, N. E. cor. 44th St
and Madison Ave.

New York—Linsdale's Little Flower Shop,
130 E. 34th St.

St. Paul, Minn.—Holm & Olson.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.
Washington, D. C. Gude Bros., 1214 F
St.

Wellesley, Mass. Talby

Worcester, Mass. Littlefield, 407-409
Main St.

Worcester, Mass. H. F. A. Lange

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353 Lake Street, Kendallville, Ind.

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LITTLE FLOWER SHOP AROUND THE CORNER

Flower Deliveries at Reasonable
Prices

130 E. 34th Street, NEW YORK
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The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for
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Delivers to all Points in New England.
125,000 square feet of glass

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QUALITY AND QUANTITY BEAUTIES RICHMOND KILLARNEY

On account of our large supply we can quote you very attractive prices on roses. When in the market let us quote you.

Boxwood, per case, \$7.50
Bronze Galax, per case, \$7.50

The Leo Niessen Co.

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To Cut Flower Growers and Retail Florists

IF YOU

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Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

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FOR
FLORIST'S
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THOSE
MADE
BY THE

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66 PEARL ST., BOSTON

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Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock.

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MANUFACTURERS
PHILADELPHIA, PA.

PETER REINBERG

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37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

George B. Hart

WHOLESALE

FLORIST

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The J. M. McCullough's Sons Co.

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CONSIGNMENTS SOLICITED

Special attention to shipping orders. Jobbers of Florists' Supplies, Seeds and Bulbs. Price list on application.

Phone Main 284, 316 Walnut St., Cincinnati

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	BOSTON Dec. 21		CHICAGO Dec. 12		ST LOUIS Dec. 19		PHILA. Dec. 19	
ROSES								
Aro. Beauty, Fancy and Special..	75.00	to 100.00	35.00	to 50.00	75.00	to 100.00	75.00	to 100.00
" Extra.....	40.00	to 60.00	30.00	to 35.00	50.00	to 65.00	.....	to 50.00
" No. 1.....	15.00	to 25.00	20.00	to 30.00	35.00	to 40.00	.....	to 40.00
" Lower grades.....	0.00	to 8.00	10.00	to 20.00	10.00	to 25.00	.....	to 30.00
Richmond, Chateaux, Fancy & Spl..	20.00	to 35.00	20.00	to 35.00	15.00	to 20.00	20.00	to 25.00
" Lower grades.....	6.00	to 12.00	10.00	to 20.00	6.00	to 10.00	12.00	to 15.00
Killarney, Maryland, Fan. & Spl..	15.00	to 25.00	15.00	to 25.00	15.00	to 20.00	20.00	to 25.00
" Low grades.....	6.00	to 10.00	0.00	to 12.00	6.00	to 10.00	8.00	to 10.00
Bride, 'Maid,.....	4.00	to 15.00	3.00	to 8.00	8.00	to 12.00	.....	to 10.00
Taft, Hillingdon, Ward.....	6.00	to 35.00	.....	to 10.00	.....	to 15.00	15.00	to 30.00
CARNATIONS, First Quality..	6.00	to 12.00	8.00	to 10.00	6.00	to 8.00	10.00	to 15.00
" Ordinary.....	3.00	to 5.00	4.00	to 6.00	3.00	to 5.00	5.00	to 8.00
MISCELLANEOUS								
Cattleyas.....	50.00	to 75.00	60.00	to 75.00	50.00	to 60.00	50.00	to 75.00
Callas.....	8.00	to 12.00	.....	to 10.00	10.00	to 15.00	.....	to 15.00
Lilies, Longiflorum.....	6.00	to 10.00	10.00	to 12.50	10.00	to 15.00	.....	to 15.00
Lily of the Valley.....	2.00	to 4.00	3.00	to 5.00	4.00	to 5.00	3.00	to 5.00
Narciss., Paper White.....	1.00	to 2.00	2.00	to 3.00	3.00	to 4.00	.....	to 3.00
Roman Hyacinths.....	1.00	to 2.00	.....	to 3.00	3.00	to 4.00	.....	to 3.00
Violets.....	.75	to 1.50	1.00	to 1.50	.75	to 1.50	1.00	to 1.50
Stevia.....	.....	to 1.50	1.50	to 2.00	2.00	to 3.00	1.00	to 1.50
Mignonette.....	2.00	to 4.00	8.00	to 10.00	4.00	to 6.00	6.00	to 8.00
Sweet Peas.....	.40	to .75	1.00	to 1.50	.75	to 1.50	1.00	to 2.00
Gardenias.....	25.00	to 30.00	25.00	to 40.00	.....	to 25.00	25.00	to 50.00
Adiantum.....	1.00	to 1.25	.....	to 1.00	1.00	to 1.25	1.00	to 1.50
Smilax.....	12.00	to 15.00	12.00	to 15.00	12.50	to 15.00	15.00	to 20.00
Asparagus Plumosus, strings (100)	.....	to 50.00	50.00	to 75.00	35.00	to 50.00	.....	to 50.00
" " & Sprn (100).....	25.00	to 50.00	25.00	to 50.00	17.00	to 25.00	.....	to 50.00

J.A. BUDLONG

82-84-86 E. Randolph St., Chicago

OUR STOCK IS A-1 AND IT IS QUALITY NOT PRICES THAT TALKS

Chicago Flower Growers' Association

Wholesale Growers of Cut Flowers and Plants

176 N. MICHIGAN AVE., BETWEEN RANDOLPH AND LAKE STREETS, CHICAGO

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Everything in Flowers
Complete Stock of Florists' Greens,
Three Floors of Florists' Supplies.

Wired Toothpicks

Manufactured by

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10,000... \$1.75; 50,000... \$7.50. Sample free.
For sale by dealers

Flower Market Reports

BOSTON Up to time of going to press (Thursday, 21st), the local market is in a state of quietude seldom equalled at this season of the year. Those wholesalers who have a shipping trade from distant points are, however, very busy and are using up a big lot of material which, if left to the mercies of the local demand, would be a menace to the market for the rest of the week. Green goods of all kinds are in unprecedented call, the quantity of boxwood, holly, laurel, etc., being handled far exceeding any past experience. The quality of some of the stock coming in at present moment is, to say the least, questionable and in carnations particularly there is evidence of their having been held up for some time in anticipation of higher prices. Roses are in better condition than the carnations, but they, too, have in some instances that tired look which forebodes trouble with the buyer. Violets are again a problem and nobody can predict where they will land between now and Christmas morning. The growers will be lucky if there should be no slump. The double violets are not popular in the New England section. The singles are each year more and more in favor with the buying public. Poinsettias are very fine this year and the price of \$4.00 and \$5.00 a dozen is really low for the quality of the goods. Lilies are very slow this week as are also all bulbous flowers. All in all, however, the promise is good for the latter part of the week and we hope the results will bear out this favorable outlook.

BUFFALO Only a few days and then the battle is on, but everything is in readiness for the final rush if there is to be one. Holly and decorative materials have moved well, but there has been no rush in disposing of cut flowers. To the six days of warm rain must be laid the blame. There was a good supply of everything; in fact, in some lines,—paper whites, chrysanthemums and violets,—an over-supply. There were plenty of carnations, Beauties and other roses, lilies, lily of the valley, peas, mignonette, stevia, and an abundance of greens, but the market wanted one thing, and that was a demand for the goods.

CHICAGO A shortening up of stock, particularly in color, was noticeable early in the last week before Christmas, which opened clear and cold and was ideal for Christmas shopping. Considerable difference of opinion still prevails, among both wholesalers and retailers, regarding the outlook for a lively Christmas trade, the depressing effect of two weeks of cloudy, damp weather being bound to bring unwelcome results in quality and quantity of stock. Plants, as usual, have a conspicuous part in the holiday sales, the usual kinds being in every window. Poinsettias never were better and pans of various sizes, trimmed with scarlet crepe paper and ribbon, are an attractive feature of all the retail flower stores; Azaleas, cyclamen, erica, begonia and the berried plants are all fully up to former years and never have there been more tasteful hampers to hold them. Holly and other ilex are unusually full of large



THE THREE KILLARNEYS AND MY MARYLAND

In planning for Christmas our growers did not aim to have a great big crop then, and nothing afterwards, but a steady cut right through the season, thus giving us an excellent supply and high grade quality too, for New Year's.

Special, per 100...	\$12.00 & \$15.00
Fancy, per 100...	10.00
First, per 100...	6.00
Second, per 100...	4.00

CATTLEYAS—

Special, per doz.	\$7.50
First, per doz.	5.00

GARDENIAS—

Special, per doz.	\$4.00
First, per doz.	3.00

Distributing Agents for the great New Roses for 1912.

DOUBLE WHITE KILLARNEY and KILLARNEY QUEEN (The Budlong Strain)—Grafted, \$250.00 per 1,000. Own Root, \$200.00 per 1,000.

SUNBURST—Grafted, \$35.00 per 100; \$300.00 per 1,000. Own Root, \$30.00 per 100; \$250.00 per 1,000.

RIBBONS AND SUPPLIES—Many new patterns in exclusive Christmas ribbons. Write us for prices on these and on supplies.

S. S. PENNOCK-MEEHAN CO.

THE WHOLESALE FLORISTS OF PHILADELPHIA

NEW YORK
109 W. 28th Street

PHILADELPHIA
1608-1620 Ludlow Street

WASHINGTON
1212 New York Ave.

WHOLESALE FLOWER MARKETS.—TRADE PRICES—Per 100 TO DEALERS ONLY

	CINCINNATI Dec. 12	DETROIT Dec. 12	BUFFALO Dec. 23	PITTSBURG Dec. 19
ROSES				
Am. Beauty, Fan. and Spl.	40.00 to 50.00	to 100.00	75.00 to 100.00	75.00 to 100.00
“ Extra	30.00 to 40.00	to 85.00	40.00 to 50.00	50.00 to 60.00
“ No. 1	20.00 to 30.00	to 75.00	25.00 to 30.00	35.00 to 40.00
“ Lower grades	8.00 to 15.00	25.00 to 50.00	8.00 to 10.00	10.00 to 25.00
Richmond, Chateaux, Fan. & Spl.	12.00 to 15.00	15.00 to 25.00	15.00 to 20.00	30.00 to 35.00
“ Lower Grades	4.00 to 10.00	8.00 to 15.00	6.00 to 10.00	12.00 to 25.00
Killarney, Maryland, Fan. & Spl.	12.00 to 15.00	15.00 to 25.00	15.00 to 20.00	15.00 to 20.00
“ Lower Grades	4.00 to 10.00	8.00 to 15.00	6.00 to 10.00	8.00 to 15.00
Rd. Maid	4.00 to 10.00	8.00 to 15.00	6.00 to 15.00	8.00 to 15.00
Taft, Hillingdon, Ward	3.00 to 8.00	4.00 to 8.00	15.00 to 20.00	8.00 to 15.00
CARNATIONS, First Quality				
Ordinary	2.00 to 4.00	5.00 to 10.00	6.00 to 8.00	6.00 to 10.00
MISCELLANEOUS				
Cattleyas	to 50.00	to 75.00	to 100.00	to 75.00
Callas	to 12.00	to 5.00	to 10.00	to 12.00
Lilies, Longiflorum	to 12.00	to 15.00	to 10.00	to 12.00
Lily of the Valley	to 4.00	to 3.00	to 4.00	to 3.00
Narciss	to 4.00	to 3.00	to 4.00	to 3.00
Roman Hyacinths	to 4.00	to 3.00	to 4.00	to 3.00
Violets	to 4.00	to 3.00	to 4.00	to 3.00
Stevia	to 4.00	to 3.00	to 4.00	to 3.00
Magnolia	to 4.00	to 3.00	to 4.00	to 3.00
Sweet Peas	to 4.00	to 3.00	to 4.00	to 3.00
Gardenias	to 4.00	to 3.00	to 4.00	to 3.00
Adiantum	to 4.00	to 3.00	to 4.00	to 3.00
Smilax	to 4.00	to 3.00	to 4.00	to 3.00
Asparagus Plumosus, strings	to 50.00	to 25.00	to 40.00	to 60.00
“ & Spruce (rooted)	to 50.00	to 25.00	to 35.00	to 60.00

berries and the latter is used in great quantities for window decorations and forms a fine setting for cut flowers and plants. The short supply of American Beauties continues and even the most hopeful have given up hope for

anything approaching a reasonable quantity for the holidays.

From the wholesalers' point of view a good holiday trade is already assured, and those having a large ship-

M. C. FORD
Successor to
FORD BROTHERS
121 West 28th Street NEW YORK
FINE ROSES. FANCY CARNATIONS
A Full Line of All CUT FLOWERS.
Telephone. 3870 or 3871 Madison Square

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Wholesale Commission Florist,
Choice Cut Flowers,
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All choice cut-flowers in season. Send
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45 W. 28 Street, NEW YORK
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in the Wholesale Flower District

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Wholesale Florists
A. MOLTZ MAURICE L. GLASS
Coogan Building, 55-57 West 26th Street
NEW YORK CITY
Telephone 2921 Madison Square Open from 5 a. m. to 6 p. m.

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Fresh Cut Evergreens, Mosses,
Southern Smilax, Galax and Leucothoe.
Preserved and Fresh Cut
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122 West 25th St., New York
Florists' Supplies
We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
Decorative Glassware, Greens and Florists' Requisites

P. J. SMITH
Successor to JOHN I. RAYNOR
Wholesale Commission Florist SELLING AGENT FOR
A full line of Choice Cut Flower Stock for all purposes. LARGEST GROWERS
by the 100, 1000 or 10,000 The HOME OF THE LILY
TEL. 1998 MADISON SQUARE 49 West 28th St., New York City

Walter F. Sheridan
Wholesale Commission Dealer in
CHOICE CUT FLOWERS
133 West 28th Street, New York
Telephone—3532-3533 Madison Square

NOW IS THE TIME
To decide on your Commission Man. Begin the season right by shipping your
product to the **OLD, RELIABLE ESTABLISHMENT.**
OPEN EVERY MORNING AT 6 O'CLOCK.
Tel. 167-4468
Madison Sq. **J. K. ALLEN** 106 W. 28th St.
NEW YORK

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES AND CARNATIONS
Tel. 759
Mad. Sq. **JAMES McMANUS**, 55 W. 28th St., New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Dec. 16 1911		First Half of Week beginning Dec. 15 1911	
American Beauty, Fancy and Special.....	10.00	to 40.00	15.00	to 40.00
" " Extra.....	10.00	to 20.00	10.00	to 20.00
" " No. 1.....	4.00	to 8.00	4.00	to 10.00
" " Lower Grades.....	2.00	to 4.00	2.00	to 3.00
Richmond, Chateaux, Extra and Special.....	4.00	to 12.00	4.00	to 12.00
" " Lower Grades.....	1.00	to 2.00	1.00	to 2.00
Killarney, My Maryland, Extra and Special.....	4.00	to 10.00	4.00	to 15.00
" " Lower Grades.....	1.00	to 2.00	1.00	to 2.00
Bride, Maid.....	1.00	to 8.00	2.00	to 6.00
Taft, Hillingdon, Ward.....	4.00	to 15.00	4.00	to 12.00
Carnations, First Quality.....	3.00	to 5.00	3.00	to 6.00
" " Ordinary.....	1.00	to 2.00	1.00	to 2.00

Holiday prices will prevail during last part of present week.

BADGLEY, RIEDEL & MEYER, Inc.
WHOLESALE FLORISTS

34 West 28th Street, New York
Telephones { 1664 { Madison Square
1665 {
CONSIGNMENTS SOLICITED

Frank H. Traendly Charles Schenck
TRAENDLY & SCHENCK
Wholesale Florists
131 West 28th St., New York
Telephones: 798 and 799 Madison Square
Consignments Solicited

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FLOWER MARKET SECTION
CHARLES MILLANG
Wholesale Florist
55 & 57 W. 26 St., NEW YORK
Telephone 7062 Madison

ROSENS
18 W. 29th Street, New York City
Telephone No. 1757 Mad. Sq.
FLORISTS' SUPPLIES
GALAX, bronze and green, fresh crop
\$1.00, 1000; \$7.50, 10,000. LEUCOTHOE
SPRAYS, 75c, 100. GREEN SHEET
MOSS, \$2.00 large bag.

A. L. YOUNG & CO.
WHOLESALE FLORISTS
Choice Cut Flowers
43 CONSIGNMENTS SOLICITED
54 West 28th St., NEW YORK
Prompt Payments. Telephone 3559 Madison Sq.

FRANK MILLANG
Wholesale Florist
55-57 West 26th St., NEW YORK
Shipments, any quantity, Whole-
sale Market Rates.

ROBERT J. DYSART
Public Accountant and Auditor
Simple methods of correct accounting
especially adapted for florists' use.
Books Balanced and Adjusted
Merchants Bank Building
28 STATE ST. - BOSTON
Telephone, Main 58.



Flower Market Reports

(Continued from page 1)

ping trade already have orders enough on their stock and in some instances where special varieties are wanted orders have been declined. Those who are holding back their stock, however, in hope of exorbitant prices the last of the week, bid fair to be disappointed as they have been in the past.

With the retailers, also, the books are showing long lists of advance orders, and the usual lull before the storm, now on, is giving opportunities to make up hampers, wreaths and pot covers and put the store in readiness for the rush at the end of the week. A few pessimistic ones are looking for trouble and will probably find it, but for the most part the trade in general is optimistic in its outlook now a week before Christmas. Greatly to the relief of all the weather is cooler and a light snow has fallen, but there is very little sunshine.

The market at the opening of this week was the usual one of the week preceding a holiday important to the trade. The supply of things generally is meagre and scarcely sufficient is on hand for requirements. Most of the wholesalers assert that their entire supply for the holidays is about ordered up. The weather has undergone a wonderful change. Two weeks of dark rainy weather gave way on Monday of this week to cool, clear, bright days with plenty of sunshine. The business in special supplies has been extremely good; the business in boxwood, too, was all that could be desired. Roses and carnations will naturally be the leading flowers for the holidays with poinsettias coming in for their share. The supply of the first two promises to be the normal Christmas cut, at least, if it is not better. The last-named has never been better, and many large orders for same for Christmas and New Year's have been placed. In roses the choice ones are selling very much more quickly than short stock. Bulbous stock is plentiful in fact, last week and the early part of this one more narcissus were offered at times than the market could readily absorb. The same is true of Roman hyacinths. In this category of slow-moving stock chrysanthemums might also be added. The supply of violets, especially doubles, and lily of the valley will be large and the market for them will undoubtedly be good. Orchids are more or less scarce and at times it is almost difficult to have orders filled.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH

WILLIAM F. KASTING Co.

Wholesale Florists

383-387 ELLICOTT ST. - - BUFFALO, N. Y.

WILLIAM H. KUEBLER

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

Tel. 4591 Main

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Dec 16 1911		First Half of Week beginning Dec. 18 1911	
<i>Antirrhinum</i>	30.00	to 75.00	35.00	to 75.00
<i>Dendrobium formosum</i>	30.00	to 40.00	30.00	to 40.00
<i>Phalaenopsis</i>	20.00	to 25.00	20.00	to 25.00
<i>Orchids, Longiflorum</i>	3.00	to 5.00	4.00	to 6.00
<i>Callas</i>	1.00	to 3.00	1.00	to 3.00
<i>Lily of the Valley</i>	1.00	to 1.50	1.00	to 1.50
<i>Narcis, Paper White</i>	1.00	to 2.00	1.00	to 2.00
<i>Roman Hyacinths</i>	4.00	to 20.00	4.00	to 20.00
<i>Chrysanthemums</i>	1.00	to .75	1.00	to .75
<i>Violets</i>	1.00	to 1.50	1.00	to 1.50
<i>Stevia</i>	2.00	to 4.00	2.00	to 4.00
<i>Mignonette</i>	1.00	to 1.50	1.00	to 1.50
<i>Daisies</i>.....	.50	to .75	.50	to .75
<i>Sweet Peas</i>	15.00	to 35.00	12.00	to 35.00
<i>Gardenias</i>.....	.50	to .75	.50	to .75
<i>Adiantum</i>	8.00	to 10.00	5.00	to 10.00
<i>Smilax</i>	15.00	to 25.00	15.00	to 25.00
<i>Asparagus Plumosus, stragg.</i>	15.00	to 25.00	15.00	to 25.00

Other lines show that stevia is proving quite a factor. The supply of lilies is not over-large and the request for them is not very active. The green goods market in all lines is ample.

The market is in a waiting mood this week. Last week was

a very unprofitable one for everybody and large quantities of stock had to be sacrificed. The week closed most unsatisfactory. The present week opened with more reasonable weather and a very light supply on many important lines, but there was no vigor or other evidence of healthy conditions in the demand and the low values of the preceding week were still in force. The end of the week will, no doubt, see some lively hustling but, from the scarcity of some things at time of writing these notes, notably red carnations,—we expect to see confusion and disappointment for many thoughtless operators at the wind-up. Bulbous stock is being rushed in in unwieldy quantity, much of it being lost. Tulips of the familiar December type are seen on the wholesaler's tables—forced at an impossible date and indicating a wanton destruction of bulbs that, if given time to develop, would have given salable blooms. Violets are not moving as in other years. Poinsettias are unprecedently good, both as plants and as cut blooms. Very few flowers are shown in the florists' windows, cybotiums, poinsettias and a selection of berries and plants, with green wreaths, forming the display, mainly. All the green material dealers report a tremendous demand for their goods.

Up to the middle of last week business was fairly good, but there was a great falling off later. It would seem as if the retail-

ers had been so busy getting ready their baskets and other plant combinations for the Christmas trade that they had no time to push cut flowers. And the weather was bad also. At this writing prospects are fairly good.

(Continued on page 921)

XMAS GREENS

Laurel Ropeing, Laurel Wreaths
Wild Smilax, Boxwood, Holly,
Partridge Berries in bunches and
bowls, Native Ferneries, etc., etc.
If you want THE BEST order
from us.

Hartford & McDonough
70 PEMBERTON SQ., BOSTON

IN THE SWIM

*I must be in the swim,
You might forget my name,
And say that I am a flume,
If you do not get the best.*

Spruce or Balsam trees, from one foot to thirty; in any quantity; Baled Spruce, and Balsam, Hemlock Boughs, Laurel and Evergreen Festooling and Wreaths, Sphagnum Moss, Hardy Cut Fancy and Dagger Ferns, Yearly Contracts Made. Send for Price List. GET THE BEST.

H. J. SMITH, Hinsdale, Mass.

Telephone 3860 Madison Square

WOODROW & MARKETOS

WHOLESALE

Plantsmen and Florists

41 West 28th Street, NEW YORK

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one-cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
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AMPELOPSIS

Ampelopsis Veltheim, 1-yr. plants, \$3.00 per 100; \$25.00 per 1000.
Wm. Eschrich Co., North Milwaukee, Wis.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

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Godfrey Aschmann, 1012 Ontario St., Philadelphia.

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Henry A. Dreer, Phila., Pa.
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ASPARAGUS

Asparagus plumosus, extra fine 3-lach stuff, \$5.00 per 100, \$45.00 per 1000. P. Rieth, Downers Grove, Ill.

Asparagus plumosus seedlings, clumps, sprays and seeds. Write for prices. Peter Mack, Orlando, Fla.

Asparagus plumosus, 2½-in. pots, \$3.00 per 100; \$25.00 per 1000. Asparagus Sprenger, 2-in. pots, \$2.00 per 100; 4-in. pots, heavy, \$10.00 per 100.

Storrs & Harrison Co., Painesville, Ohio.

Asparagus plumosus, extra strong healthy stock ready for shift. 2½-in., \$2.50 per 100, \$22.00 per 1000; 3-in., \$5.00 per 100.

Asparagus Sprenger, strong plants ready for shift. 2½-in., \$2.00 per 100, \$17.00 per 1000; 3-in., \$3.00 per 100. Strong seedlings, \$1.00 per 100. Cash, please.

John Bauscher, Jr., Freeport, Ill.

ANTHERICUM

Anthericum variegatum, strong plants, 3-in., 8c; 5-in., 10c. H. G. Norton, Perry, O.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
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A. Leuthy & Co., Roslindale, Mass.
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BAY TREES

A. Leuthy & Co., Roslindale, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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Bay Trees and Box Trees, all sizes
Write for special list
Julius Roehrs Co., - - Rutherford, N. J.

BEDDING STOCK

A. N. Pierson, Inc., Cromwell, Conn.
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BEGONIAS

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Thomas Roland, Nahant, Mass.
Lorraine Begonias.

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BOILERS

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BOUVARDIA

John W. Foote, Reading, Mass.

BOXWOOD TREES

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Bobbink & Atkins, Rutherford, N. J.
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Julius Roehrs Co., Rutherford, N. J.
Box Trees all sizes. Ask for special list.

BOXES—CUT FLOWER—FOLDING

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made.
Write for list. Holton & Hunkel Co., Milwaukee, Wis.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.

French and Dutch Bulbs.

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J. M. Thorburn & Co., 33 Barclay St., N. Y.
Seasonable Bulbs.

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Richards Bros., 37 East 19th St., New York.
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Ralph M. Ward & Co., 12 W. Broadway, New York.

Horseshoe Brand.

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James Vick's Sons, Rochester, N. Y.
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John Lewis Childs, Flowerfield, L. I.
Summer Flowering Bulbs.
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The W. W. Barnard Co., Chicago, Ill.
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E. S. Miller, Wading River, N. Y.
Gladiolus, Lilies, Iris, Etc.
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A. Henderson & Co., Chicago, Ill.
Late Dug Formosa
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CALCEOLARIA

Wanted: 50 or 100 Calceolaria hybr. Plants. Mor. Anderson, Glendora, Riverdale on Hudson, N. Y.

CANE STAKES

W. W. Barnard Co., Chicago, Ill.
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CANNAS

The Improved Canna—64 varieties, including Mrs. A. F. Conard and the finest new ones. Send for price list. The Conard & Jones Co., West Grove, Pa.

CARNATIONS

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Chicago Carnation Co., Joliet, Ill.
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Chas. H. Totty, Madison, N. J.,
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Peter Fisher, Millis, Mass.
New Carnation "Bendra."

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Wood Bros., Fishkill, N. Y.
Field Grown Plants.

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CARNATIONS—Continued

R. G. Wilson, Brooklyn, N. Y.; Charles Weber, Lynbrook, L. I., N. Y.; Charles H. Totty, New York, N. Y.; New Carnation "Brooklyn."
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CARNATION STAPLE

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 2000 for \$1.00 post paid. I. L. Pillsbury, Galesburg, Ill.

CHRYSANTHEMUMS

A. N. Pierson, Inc., Cromwell, Conn.
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Elmer D. Smith, Adrian, Mich.
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Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Chrysanthemums, rooted cuttings, Monrovia, Polly Rose, \$12.00 per 100. Violeta, Princess of Wales, \$8.00 per 100; \$50.00 per 1000. Chas. Lenker, Freeport, L. I., N. Y.

Chrysanthemum Stock Plants—Dr. Enguehard, Lavender Queen, Adelia, Alice Byron, Jeanne Nonin, Bonnaffon, etc., \$3.00 per 100.

Wm. Nakel, 5812 Clinton St., Phila., Pa.
Orders booked for young plants of Smith's Advance, earliest white; Unaka, earliest pink; January and February delivery, \$1.00 per 10, \$8.00 per 100. Please order early. Max B. Schreiber, McDonald, Pa.

CINERARIAS

Cinerarias, finest large-flowering dwarf hybrids in mixture; established in 3 in. pots, at \$4.00 per 100. Cash. Russell Bros., Syracuse, N. Y.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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CYCLAMENS

John McKenzie North Cambridge, Mass.
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Cyclamen—Best Varieties in different colors. 3 inch pots, strong plants, \$10.00 per 100, \$80.00 per 1000. Julius Roehrs Company, Rutherford, N. J.

Giant cyclamen, our own grown strain, selected from the very best and well built plants and flowers. Seed, \$1.00 per 100, \$6.00 per 1000; nearly all sold out. August seedlings, \$2.00 per 100; \$18.00 per 1000. Plants, well set with buds, 4-in., \$18.00 and \$25.00 per 100. Orders amounting to \$25.00, 10 per cent. off. Here is one of the many letters we received from satisfied customers: E. A. Butler & Son, Niagara Falls, N. Y., say, "The plants are excellent, the finest we have ever had and, if the seed this year is of the same quality, we will be perfectly satisfied." Our aim has been to and we have improved our strain every season. Cultural directions with every order. C. Winterich, Cyclamen Specialist, Defiance, O.

DAHLIAS

Herbert, Acto, N. J.

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DAHLIAS NEW FOR 1911.

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williamstown Junction, N. J., Post Office, Berlin, N. J.

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

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DAHLIAS—Continued

EAST BRIDGEWATER DAHLIA FARMS.
If you are looking for dahlia stock for your 1912 catalogue, send for Trade List to the Dahlia King, J. K. Alexander, East Bridgewater, Mass.

DECORATIVE PLANTS

A. Leathy & Co., Perkins St. Nurseries,
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Robert Craig Co., Philadelphia, Pa.
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Frank Oechlein, 4911 Quincy Street,
Chicago.

Ferns for Dishes.
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F. R. Pierson Co., Tarrytown-on-Hudson,
N. Y.
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Joseph Heacock, Wyncote, Pa.
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R. G. Hanford, Nonwolk, Conn.

Anderson's ferns for in and outdoors.
Largest commercial collection in the country. Ask for descriptive catalogue. **J. F. Anderson, Fern Specialist, Short Hills, N. J.**

Scotti Ferns in 5-in. pots (good stock) at \$25.00 per 100. Good assortment table ferns at \$3.00 per 100. Cash please. J. H. Flesser, Hamilton Avenue, North Bergen, N. J.

ROOSEVELT FERN as a Winner. 2½ in. at \$2.00 per doz. \$15.00 per 100; 3 in. at \$2.50 per doz., \$17.50 per 100. F. O. B. here. The Couard & Jones Co., West Grove, Pa.

Boston Ferns—6-inch pots, 45c. each, \$40.00 per 100. Whitman Ferns, 4-inch, 20c. each, \$15.00 per 100; 5-inch, 30c. each, \$25.00 per 100; 6-inch, 45c. each, \$40.00 per 100; 7-inch, 60c. each, \$55.00 per 100; 8-inch, 75c. each, \$70.00 per 100. *Ficus Elastica*, 25c., 50c. and 75c. each. Cash please. **Queen City Floral Co., Manchester, N. H. Galax Bronze, 40c. per 1000; sheet moss, 3c. per lb.; fern, 80c. per 1000. **Boomer Evergreen Co., Boomer, Tenn.****

Fern dish ferns. Heavy 2½-in. pot plants, \$3.00 per 100; \$25.00 per 1000. Boston ferns, 6-in. pots, \$25.00 per 100; 6-in., \$40.00 per 100.

Storrs & Harrison Co., Painesville, Ohio.

Boston ferns, first-class stock, for 5, 6, 7 and 8-in., 20c, 25c, 50c and 75c. Whitman, for 6, 7, 8 and 10-in., 25c, 35c, 50c and 75c. Also large specimen plants from \$1.00 up. Scotti, for 6 in., 25c and 35c. Any quantity; 7000 to choose from. Cash. **A. E. Monroe, Wellesley Farms, Mass.**

FERTILIZERS

20th Century Plant Food Co., Beverly, Mass.
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Pulverized Manure Co., 31 Union Stock
Yards, Chicago, Ill.

Wizard Brand Cattle Manure.
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Hardwood ashes, best fertilizer on earth
for lawns and gardens. **George Stevens,**
Peterborough, Ont., Canada.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
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FLORISTS' LETTERS

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FLORISTS' SUPPLIES

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Reed & Keller, 122 W. 25th St., New York.
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H. Bayersdorfer & Co., 1129 Arch St.,
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Peters & Reed Pottery Co., Zanesville, O.
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GALAX

Michigan Cut Flower Co., 38 and 40 Broad-
way, Detroit, Mich.
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Kervan Co., New York.
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GENISTAS

Genista racemosa, 6-in. pot plants, \$25.00
per 100.
Storrs & Harrison Co., Painesville, Ohio.

GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh,
Maryland.
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Pelargo and Scented Rose Geraniums,
2½-in., \$3.00 per 100. **P. Rieth, Down-**
ers Grove, Ill.

Geraniums, S. A. Nutt and standard va-
rieties, 2½-in., \$2.50 per 100; \$20.00 per 1000.
H. G. Norton, Perry, Ohio.

Geraniums, standard varieties, 2½-in.,
\$2.50 per 100, \$22.50 per 1000; or will ex-
change part for Vinca root runners. **P.**
Rieth, Downers Grove, Ill.

Geraniums. Lecadre, Mosnay, Roseleur,
Nutt, Dagota, Ricard, Vland, La Favorite,
Col. Thomas, Jaulin, Perkins, Oberle, 2-in.
stock, \$2.00 per 100; \$18.50 per 1000. **Hill,**
Dryden, Claire Frenot, Pres. Baillet, Mrs.
Vincent, Bisquit, 2-in., \$3.00 per 100; \$25.00
per 1000. Cash. Send for geranium cata-
logue. A. D. Root, Wooster, O.

GLASS

Boston Plate & Window Glass Co., Boston.
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Standard Plate Glass Co., 28-30 Sudbury
St., Boston.
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Foley Mfg. Co., Western Ave., between
25th and 26th Sts., Chicago.
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Sharp, Partridge & Co., 22d and Lumber
Sts., Chicago.
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Parshelsky Bros., Inc., 215-217 Havermayer
St., Brooklyn, N. Y.
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Metropolitan Material Co., 1392-1402 Metro-
politan Ave., Brooklyn, N. Y.

Greenhouse glass, lowest prices. John-
ston Glass Co., Hartford City, Ind.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
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GREENHOUSE BUILDING MATERIAL
A. T. Stearns Lumber Co., Neponset,
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Foley Mfg. Co., Chicago.
Pecky Cypress for Benches.
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Charles H. Dodd, Jersey City, N. J.
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Lord & Burnham,
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Pierson U-Bar Co., Madison Ave., New York
Designer and Builder.

Hitchings & Co., 1170 Broadway, N. Y.

GUTTERS

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King Channel Gutters.
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HAIL INSURANCE

Florists' Hail Asso. of America.
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Michigan Cut Flower Exchange,
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Parshelsky Bros., Brooklyn, N. Y.
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Lord & Burnham Co., 1133 Broadway, N. Y.
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HYDRANGEAS

F. R. Pierson Co., Tarrytown-on-Hudson,
New York.
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Hydrangea Otakan, fine pot grown stock,
4-in., 2 to 3 shoots, \$15.00 per 100; 6-in., 2
to 3 shoots, \$20.00 per 100; 8-in., 3 to 5
shoots, \$25.00 per 100.

Hydrangea Quinkan, field grown. Extra
specimens for large tubs, 12 to 15 shoots,
\$1.00 each.
Storrs & Harrison Co., Painesville, Ohio.

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INSECTICIDES

Eastern Chemical Co., Boston, Mass.
Imp. Soap Spray.

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Nicotinide kills all greenhouse pests.
P. R. Palethorpe Co., Owensboro, Ky.

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Stump & Walter Co., New York.
Kilmdead Tobacco Dust.

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Aphine Manufacturing Co., Madison, N. J.
Aphine.

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Wilson Plant Oil and Fertilizer Co.,
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Improved Variety Melvul.

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LANDSCAPE GARDENING COURSE.
Home Correspondence School, Springfield,
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MATS FOR COLD FRAMES

Wm. Elliott & Sons, New York, N. Y.

NICO-FUME

Kentucky Tobacco Product Co.,
Louisville, Ky.

NIKOTEN APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.

NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.
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Bay State Nurseries, North Abington,
Mass.

Hardy, Northern Grown Stock.
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Boblink & Atkins, Rutherford, N. J.
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McHutchison & Co., New York, N. Y.
Direct Importations.

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TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00 by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

Altheas, Berberries, Deutzias, Forsythias,
Hydrangeas, Philadelphia, Viburnums,
Privet, Spiraea, Weigela. Write for price
list. The Conard & Jones Co., West
Grove, Pa.

ONION SETS

Leonard Seed Co., Chicago, Ill.
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Julius Roehrs Co., Rutherford, N. J.
Hybrid Orchids.

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Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.

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Orchids—largest stock in the country.
Stove plants and Crotons, finest collection.

Julius Roehrs Co., Rutherford, N. J.

Edward V. Low, late of Hugh Low &
Co., dissolved, Vale Bridge, Haywards
Heath, England. "White" Cattleyas and
Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Wil-
liams, 300 illustrations, 800 pages; descrip-
tions of upwards of 2500 species and varie-
ties of orchidaceous plants, etc. The most
complete work on Orchids and orchid cul-
ture ever published. Price \$10.00. Orders
filled by HORTICULTURE, 11 Hamilton
Place, Boston.

PALMS, ETC.

A. Leuthy & Co., Perkins St. Nurseries,
Rosindale, Mass.

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Joseph Heacock, Wynote, Pa.
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Loechner & Co., New York, N. Y.
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PAPER POTS

Paper Pots: 5000 3 in., \$5; 2 1/2 in., \$4;
2 in., \$3. Shipped flat, low freight rates.
Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
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PECKY CYPRESS BENCHES

Foley Mfg. Co., Chicago.
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A. T. Stearns Lumber Co., Boston, Mass.
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PEONIES

"Fragrans," late dark pink, large divi-
sions, \$6.00 per 100, \$50.00 per 1000. Chas.
Lenker, Freeport, L. I., N. Y.

PLANT STAKES

Seele's Tieless Plant Stakes and Tral-
lises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

PIPE AND FITTINGS

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Metropolitan Material Co., Brooklyn, N. Y.

POTASH

German Kali Works, Baltimore, Md.

POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp.,
\$1.25 by mail. I. N. Kramer & Sons, Cedar
Rapids, Iowa.

POULTRY AND FARM REVIEW.

The Rex Company, Harrisburg, Pa.
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PRIMULAS

John McKenzie North Cambridge, Mass.
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PRINTING.

The Rex Company, Harrisburg, Pa.
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PRIVET

California Privet, any quantity, size, age.
Others say ours is the best grown. Write
for prices; also on shrubbery, ornamentals,
fruit trees, asparagus, etc. Franklin Davis
Nursery Co., Baltimore, Md.

REFRIGERATORS FOR FLORISTS

McCray Refrigerator Co., Kendallville, Ind.
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New Yellow Rose Lady Hillingdon.

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Rooted Rose Cuttings.

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ROSES—Send for complete list. Ameri-
can Pillar, 3 year, \$35.00 per 100; Ameri-
can Pillar, 2 year, \$25.00 per 100; Dorothy
Perkins, \$12.00 per 100; Lady Gay, 4 to 5
ft., \$16.00 per 100. The Conard & Jones
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Capsicastrum Melvini.
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SOUVENIRS AND SACHETS OF
LAVENDER

California Sweet Lavender Souvenirs.
Sachets of dried flowers, listingly fragrant.
One style, 50 cts. by mail, post paid. Mrs.
E. C. Gardener, So. Pasadena, Cal.

SPHAGNUM MOSS

H. J. Smith, Hinsdale, Mass.
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Live Sphagnum moss, orchid peat and
orchid baskets always on hand. Lager &
Hurrell, Summit, N. J.

TREE RENOVATION

John T. Withers, Inc., Jersey City, N. J.
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Improved Ventilator Arm.
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Wirework. Write for our catalogue.
Holton & Hunkel Co., Milwaukee, Wis.

William E. Hellscher's Wire Works, 38-40
Broadway, Detroit, Mich.

WOOD PRESERVATIVE

Conserve Wood Preservative doubles the
life of all exposed lumber. Preserves
benches, posts, sills or planking. Costs
5c. a stick, and saves ten times its cost.
Samuel Cabot, Inc., Mfg. Chemists, Bos-
ton, Mass.

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XMAS PEPPERS

Xmas Peppers, fine berried plants, 4 and
4½ inches, \$5 to \$10 per 100. P. Rieth
Downers Grove, Ill.

New Offers In This Issue.

CHINESE SHRUBS AND VINES.

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Do You Know What
You Want?

Look in the "Buyers'
Directory" of this issue
and you will probably
find represented there
somebody who can
supply you. It's a good
plan to look it over
every week, for the
weekly changes and
additions are many.

See ?

In writing to Advertisers kindly mention Horticulture

WASHINGTON NOTES.

William F. Gude last week appeared before the Senate Committee on Post Offices and Post Roads and presented the bill drawn up in the interests of the Society of the American Florists and Ornamental Horticulturists on the matter of the inauguration of a federal parcels post.

Although the installation of new fixtures has not been completed, J. A. Philipps has taken possession of his new store on Fourteenth street, at the corner of Harvard street, N. W. This store is far superior in every way to the old location at 2926 Fourteenth street. The display windows run around two sides of the store and are admirably located so that his stock can be shown up in fine shape. Until the first of the year Mr. Philipps will use the ice-box, counters, etc., taken from the old store, but after that time they will be replaced by others entirely new and more in keeping with the handsome store he now occupies.

J. H. Small & Sons last Monday opened their new store in the Woodward Building, Fifteenth and H streets, N. W., to the public. This new store, without a doubt, is the handsomest in the city, is in a building but just completed and is well fitted for the handling of the firm's business. It is laid out in the shape of an "L" and display windows are on three sides. The fixtures are all of mahogany, the tables marble-topped. On either side of the office in the center of the side facing H street are the large tiled ice-rooms. Rustic arm chairs and marble garden settees are located here and there about the store for the comfort of patrons. The floor is of cement. In an ell off the main store are the private offices of the firm. A stairway leads to the basement beneath the store, entrance to which is obtained from the ell. Here large ice boxes have been installed and there is ample space for the work rooms and for the storage of boxes and material. There are five large windows and one entrance on the H street side and a large window and entrance on the Fifteenth street side. Twelve electric lights suspended by large oxidized chains from the ceiling, and other stationary fixtures on pillars light up the main store while the ell is lighted by clusters of electric lights.

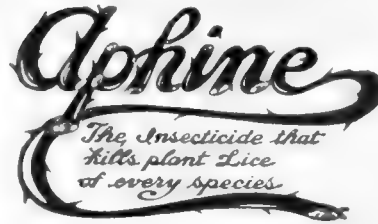
Visitors—J. W. Grandy, Norfolk, Va.; Mr. Newton, of the Newton Floral Company, Norfolk, Va.; Mr. Hill, Richmond, Ind.; Elmer D. Smith, Adrian, Mich.; Richard Vincent, White Marsh, Md.; Robert Shock, in the interests of M. Rice & Co. and Mr. Goudy, for H. A. Dreer, Philadelphia, Pa.

PHILADELPHIA NOTES.

John Burton is about again, after a three week's tie-up with a sprained ankle.

A serious fire occurred at the Yates greenhouses, Mt. Airy, on the morning of the 17th inst., resulting in the destruction of three houses and contents. The latter consisted mainly of bedding stock, Easter lilies and rhododendrons. The fire originated in the boiler shed.

M. Rice & Co. had the busiest week of the season last week with orders received from all parts of the country by telegram and otherwise. Orders were invariably shipped same day as received. Visitors were so numerous



Destroys green, black, white fly, thrips, red spider, mealy bug, scale and all plant sucking insects. An excellent cleanser for decorative stock.

\$2.50 per gallon, \$1.00 per quart.
U. S. AND CANADA.

FUNGINE

Has no equal for destroying mildew, rust and other plant fungi.

Fungine will cure bench rot and is proving an excellent remedy for the protection of cuttings and young stock against the various blights.

\$2.00 per gallon, 75c. per quart.
U. S. AND CANADA.

For sale by seedsmen.

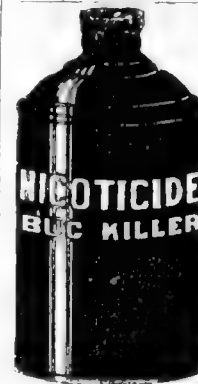
MANUFACTURED BY

APHINE MANUFACTURING COMPANY
MADISON, N. J.

KILMDEAD
The best of all
the tobacco
dusts for
Dusting or
Fumigating

88 lbs. \$1.00
50 lbs. 1.75
100 lbs. 3.00
500 lbs. 14.00
1000 lbs. \$27.00
2000 lbs. \$52.00

Shump & Walter Co.
30 Barclay St.
New York, N. Y.



The Best
Bug Killer and
Bloom Saver

For PROOF
Write to

P. R. Palethorpe Co.
OWENSBORO, KY

To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free.)

Use any form you choose but buy it of

E. H. HUNT, 131 N. Wabash Avenue, Chicago

that no record could be kept of them. The demand for red goods was so great that everything that even looked like red was bought up. They report the largest December business in their history.

Visitors: Wm. Feast, of Samuel Feast & Son, Baltimore, Md.; J. K. M. L. Farquhar, Boston, Mass.; Chas. L. Seybold and Edwin A. Seidewitz, Baltimore, Md.; W. F. Fancourt, Doylestown, Pa.; Bert Brotherton, Port Huron, Mich.

BOSTON NOTES.

Penn Bros. have added a temporary store next door for the sale of holiday stock.

A very interesting display of photographs of Western China will be on view all next week, including Sunday, at Horticultural Hall. These views, 400 in number, were taken by E. H. Wilson who had charge of the exploring expedition of the Arnold Arboretum. The exhibition is free to the public.

The window displays, always good at this time of the year, are better than ever this season. Holly trees in tubs seem more in evidence this year, and excellent specimens are being received at the markets. The poinsettia, of course, holds a prominent place. Tasteful and attractive windows are the rule all along the line.

Dec. 14, '11.

Please discontinue adv. in HORTICULTURE—it worked wonders.

RED ROSE NURSERIES,
Center Square, Pa.

Cattle Manure in Bags
Shredded or Pulverized

Pure—dry—uniform and reliable.
The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized
Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company
31 Union Stock Yards
Chicago

Imp Soap Spray

Effective one to thirty-two.

Single gallons, \$1.50

Eastern Chemical Company
BOSTON

Wilson Plant Oil &
Fertilizer Company

ELIZABETH, N. J.

Horticultural Supplies

Write for our special Catalogue

Cocoanut Fibre Soil

is being sought after by all growers. Cover your lawns this fall and next summer you can have a green one.

20th CENTURY PLANT FOOD CO.,
37 Ocean St., Beverly Mass.

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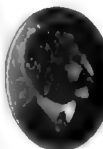
Flower Market Reports

Great preparations have been made all along the line plants, flowers and greens of all kinds in immense supply. No scarcities anywhere reported on anything. Holly not extra good this year. Many dealers are seriously thinking of giving up handling this item. The kicks have been so numerous the past few years from circumstances entirely beyond the dealers' control that ill-feeling as well as loss of profits has resulted. Cut boxwood has been handled here in immense quantities. This item is getting more and more popular every year for wreath-making, etc. This year the quality is the best that ever has been seen here—fine, deep green, glossy, and not too much stem. The southern holly (ilex vomitoria) was on the market in limited quantity. It has small, shiny, claret-red berries, and small leaves, 1/2 to 1 inch long, and is quite an attractive item at this season.

There was a pretty good ST. LOUIS demand for stock in this market last week, that is, of the higher grades, with prices a little stiff. As to Christmas prices the commission men say that it all depends on the weather, and that the supply would regulate the price. California violets came in in large lots and sell cheap. Carnations are holding up well. Roses ran a little higher, but there were enough for the demand in all varieties, with the exception of Beauties. Roman hyacinths and paper whites are a glut. Other staples normal. Wild smilax has had a big call for decorating shop windows and all other greens have sold well. Prospects good for a great business for Christmas. Many advance orders have been placed.

Due to the hot WASHINGTON weather the roses that came in last week were very much developed and sold cheap. Early this week it became cooler and the conditions of the market have changed somewhat, the roses shortened up somewhat in quantity but there was not a corresponding increase in price until Tuesday. There are plenty of cattleyas on the market—in fact, the supply is more than equal to the demand. Dendrobium formosum has also been very plentiful, the supply exceeding the demand. Cypripediums went pretty well. Rhinodendrons seem to hang fire, and consider-

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A publication on the farm journal that reviews all poultry and fruit papers in United States, will be sent on trial one year to all who send 10 cents, to pay wrapping and postage, and names of three fruit or poultry raisers.

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WANTED—Surety, agent and Steward for 20 estate in New York City with extensive grounds and 2 residences. Must be thoroughly capable, educated, and not over 40 years of age. To be paid accounts and salary with wide social and hotel and restaurant experience. No others need apply. Let us hear from highest bidder. Address H. P. O. Box 822, New York.

SITUATIONS WANTED

GARDENER 13 years experience under glass and outside. Commenced at private residences of country to help. Situations offered, best references. E. N. care HORTICULTURE.

GARDENER and FLORIST Good grower of roses, perennials, flowering plants, etc. Best of references. Private place preferred. C. J. care HORTICULTURE.

POSITION WANTED a good all round man, experienced in cultivation, chrysanthemums, bedding stock, etc. Lifetime experience, married, strictly temperate. Permanent position desired. N. Y. care HORTICULTURE.

FLORIST wants position. Specialist in carnations and general line of cut flowers. Would accept position growing pot plants, chrysanthemums, and bedding stuff. Twenty two years of experience. Good salary required. Best references. Personal interview desired. "T." care HORTICULTURE.

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GLASS 100 boxes 16 in. by 20 and 24 in., 250 boxes 18 in. by 20 and 24 in., double, excellent condition and clean, at \$2.25 and \$2.50 per box, f.o.b., S. Nyack, N. Y.; 5000 feet, 4 in. cast pipe at 10c, 1000 No. 16 Hinchings leaders at \$4.00 each, 3000 old lake row, 15 foot bars at 15c each. Ventilating apparatus at 10c, two complete greenhouses, glazed with 16 and 18 in. by 24 in. glass, even spon, send for catalogue. 28x100 also one 28x200, even spon, like new. Inquire S. G. Post Office, South Nyack, N. Y.

FOR SALE Fresh from factory, new 10x12, 14x18, 16x24, double thick A and B qualities. Market dropped. Now is the time to buy and save money. Parshelsky Bros., Inc., 215-217 Havemeyer St., Brooklyn, N. Y.

As the weather warms, Gardenias move well. As HORTICULTURE goes to press it is reported that an exceptionally good week may be expected by the Washington florists, and in fact, the whole of 1911 is likely to exceed 1910 in the amount of business done, regardless of a very late season and poor weather conditions.

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CAMBRIDGE, MASS.

NEWS NOTES.

Canandaigua, N. Y. A nursery will be established here by Edward Sick on land recently acquired.

Madera, Calif.—Property which they will use for nursery purposes has been purchased by Kirkman & Son of Fresno and Merced.

New York, N. Y.—A new wholesale cut flower firm, under the name of Pritchard & Donahue, has opened headquarters in the Coogan building.

Pittsburgh, Pa.—The greenhouses of James Gross, Larimer avenue, have been purchased by Ray Dasbach, who will use them to grow decorative stock.

Marlboro, Mass.—Joseph Barry, of Hildreth street, has purchased the Warren Howe place on Main street, where he will carry on a greenhouse business.

Danville, Pa.—The firm of Briscoe & Benthey, proprietors of the North Independence street greenhouses, has been dissolved, Mr. Benthey becoming sole proprietor.

Milwaukee, Wis.—The greenhouses of R. Heiden, Green Bay road, have been leased by Henry Dobberphul, formerly in the plant department of Holton & Heinkel Co. He intends to grow stock for the local market.

Milwaukee, Wis.—Property at 581 to 583 Jackson street has been purchased by Fred B. Davis, proprietor of the M. A. McKenney Co., retail florists. The building will be remodeled and used as headquarters for the company.

Jacksonville, Fla.—The Tomlinson-Key Floral Co., who have just opened a flower store at 40 East Fourth street, is a new firm. The company is capitalized at \$10,000 with T. W. Mitchell, president; W. W. Key, vice-president, and H. H. Tomlinson, secretary. H. H. Tomlinson has charge of the store and W. H. Key of the greenhouses. They intend to build greenhouses at once.

Longmeadow, R. I. Wm. C. Pratt & Son, Maplehurst greenhouses, who are just completing a 28 x 123 foot house have one section already filled with plants. They are growing carnations, sweet peas, tomatoes, lettuce, cauliflower and bedding plants. The company is composed of Wm. C. Pratt and Stuart G. Pratt. E. A. Mallette, formerly florist and greenhouse man at the Rhode Island College, Kingston, R. I., is superintendent.

TWO BEAUTIFUL HOLIDAY BOOKS.

L. C. Page & Co., publishers, have just issued two notable volumes in The Art Galleries series which should make acceptable holiday gifts for anyone interested in art literature.

The British Museum, Its History and Treasures, is a book of engrossing interest, by Henry C. Shelley, author of Inns and Taverns of London, a writer of recognized ability and graceful style. There are sixty fine illustrations, reproductions of the priceless treasures which have been assembled from all parts of the earth in this great London institution, and depicting in the most vivid manner the arts from the beginning of civilization down to the present time.

A companion volume for the foregoing is The Pennsylvania Academy of the Fine Arts and Other Collections in the Historical Society, Independence Hall, etc., in Philadelphia, by Helen W. Henderson. This book is profusely illustrated with full-page plates in duogravure. The story of the pictures is told in a most interesting way, and will furnish perennial pleasure to its possessor. Like the book previously mentioned it is handsomely bound in cloth with richly decorated cover. The price of each of the volumes is \$3.00 net. L. C. Page & Co., publishers, 53 Beacon street, Boston.

GREENHOUSES BUILDING OR CONTEMPLATED.

Albion, Mich.—Arthur H. Dew, one house.

Monson, Mass. C. M. Gibbs, one house.

Brighton, Wash.—A. E. Buxton, addition.

Franklinville, N. Y. —Fred Myrick, one house.

New Haven, Conn.—Sokol Bros., Hard street, one house.

Springfield, O.—American Rose & Plant Co., four houses each 24 x 150.

Smith's Ferry, Mass. — Gallivan Bros., of Holyoke, two houses 85 x 200.

Lord & Burnham Co. have secured the following contracts: Mrs. W. G. Nichols, Rye, N. Y., range of conservatories; Wm. H. Gregory, Sea Girt, N. J., iron-frame house, 35x175; J. W. Swayne, Sea Girt, N. J., house, 30x100; Burt Olney Canning Co., Oneida, N. Y., nine iron-frame houses, 33x150 each, cost \$30,000, for vegetable forcing.

INCORPORATED.

Port Huron, Mich.—The Peninsular Seed Co., capital stock \$40,000.

Hodgenville, Ky.—The Red Hill Cemetery Commission. Incorporators, William Miller, John Read and Charles Williams.



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Florist Specialties.
New Brand New Style.
Hose "RIVERTON"
Furnished in lengths up to 500 ft. without seam or joint.

The HOSE for the FLOWIST
1/4-inch, per ft., 15 c.
Reel of 500 ft., " 14 1/2 c.
2 Reels, 1000 ft., " 14 c.
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Couplings furnished.

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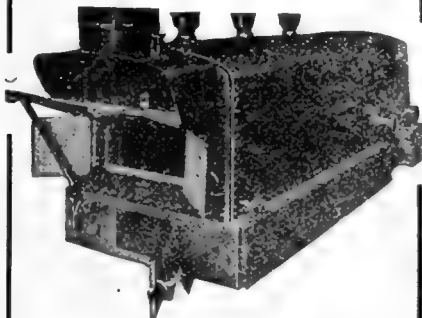
Seals, Steel Stamps, Hotel Baggage and Key Checks, Badges, Burning Brands, Pew Numbers, Numbering Machines, Check Protectors, Stencil Combinations, Steel Alphabets and Figures, Indelible Inks, Stencil Colors and Brushes, Door Plates, Rubber Type, Illustrated Catalogue of nearly 100 pages sent with first order or upon receipt of 5 two-cent stamps. Agents wanted.

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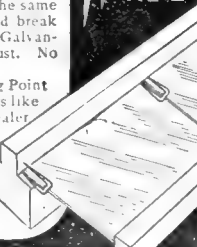
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The plan and design is such that it forms a most attractive boundary to the grounds on that side. We mention these

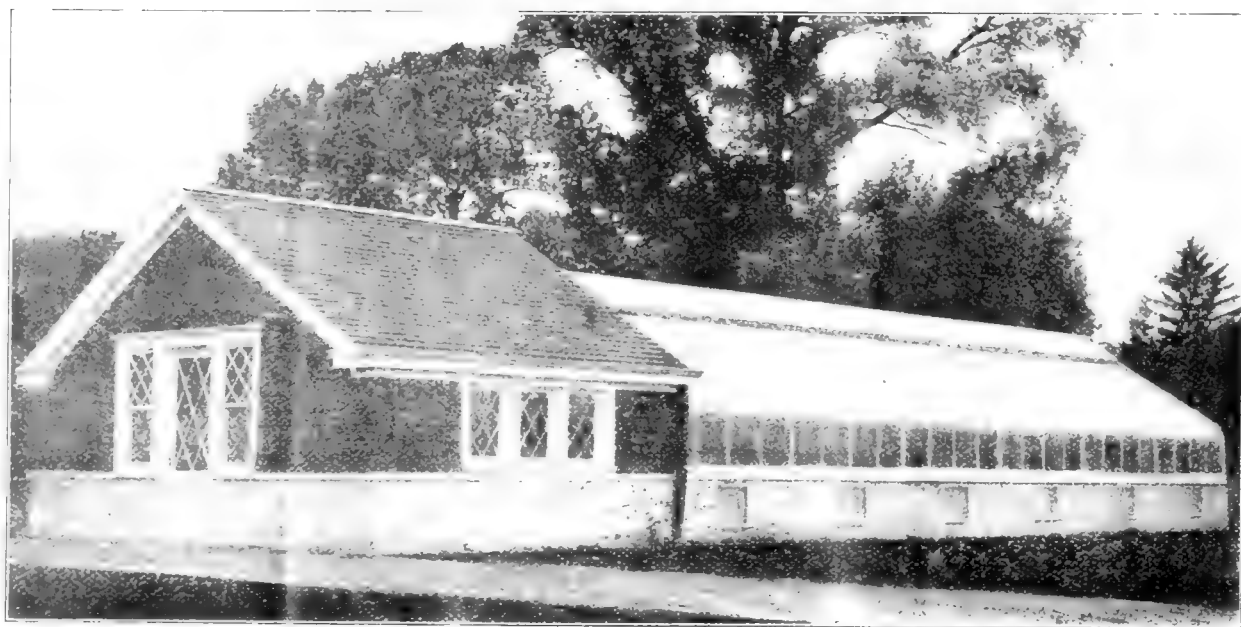
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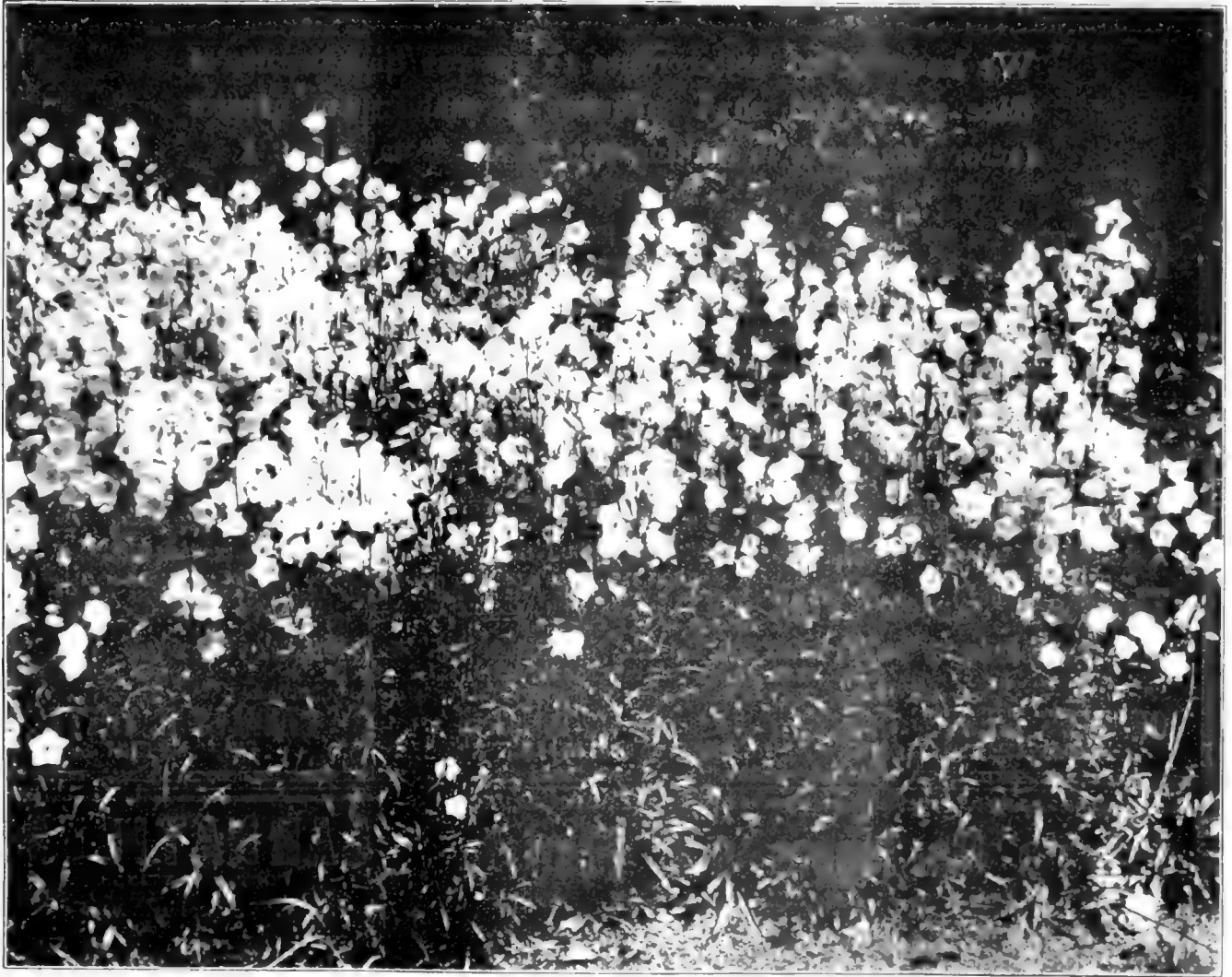
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HORTICULTURE

Vol. XIV.

DECEMBER 30, 1911

No 27



CAMPANULA PERSICIFOLIA GRANDIFLORA

Devoted to the
**FLORIST, PLANTSMAN,
LANDSCAPE GARDENER,**
and
Kindred Interests

Published
EVERY SATURDAY
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A beautiful Deep Pink after the style of the old William Scott, lighter than Lawson, grand under artificial light. Highly built up center, petals fringed, habit of growth all that could be desired. Very easy propagator, fastest growth of any Carnation.

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Beacon, Crimson Beauty....	\$3.50	
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SPECIAL OFFER. For cash we will send 1000, 50 each of 20 varieties our selection, all good kinds. Will include some Ivy Leaved if desired, for \$18.50; 6000 for \$105.00.

	2-in. per 100	3 in. per 100		2-in. per 100	3-in. per 100
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Large Mauve flowers; dwarf, compact, very free-flowering. A unique variety. Trade pkt. 10c., oz. 50c.

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Boddington's Extra Early.

	Trade pkt.	Oz.
Pink.....	\$0.20	\$0.85
Light Blue.....	.20	.85
White.....	.20	.85
Dark Blue.....	.20	.85
Crimson.....	.20	.85
Rose.....	.20	.85
Flesh-Color.....	.20	.85
Light Rose.....	.20	.85
Scarlet.....	.20	.85
Red-Lilac.....	.20	.85
Finest Mixed.....	.20	.85

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Vick's Branching.

	Trade pkt.	1/4 oz.	Oz.
Crimson.....	\$0.25	\$0.35	\$1.00
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	Trade pkt.	1/4 oz.	Oz.
Lavender.....	\$0.25	\$0.35	\$1.00

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	Trade pkt.	1/4 oz.	Oz.
Shell-Pink.....	\$0.25	\$0.35	\$1.00
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Campanula persicifolia grandiflora

Karl Foerster in his new book on "Modern Hardy Herbaceous Flowering Plants" (published in German) classes the peach-leaved campanulas among the "floral nobility" of the garden, in rank close to *Lilium candidum*. *Campanula persicifolia* and its various improved forms have been introduced to American gardeners and landscape architects and offered on the lists of leading firms for a score of years, but whether there has ever been any concerted or even one notable effort made to bring out and use this most beautiful type of bellflowers to its full effect may be still doubted. Two years ago the members of The German Society of Garden Artists and Landscape Architects went on a tour of inspection of parks and gardens in Great Britain. Their report was full of interesting criticism, but all appeared most favorably impressed by the skillful and artistic work in English gardens and I noticed special stress was laid on the beautiful displays of peach-leaved campanulas they had seen. What has the best type of American gardens of the present day to show of such displays? I am afraid very little indeed. Beds or good-sized plantations of *Campanula persicifolia* at flowering time offer such magnificent subjects for the camera that reproductions of photos would have appeared as star illustrations in every volume of our horticultural periodicals by the dozen.

That the peach-leaved campanulas are extremely popular among flower loving and—be it understood—flower-buying society, is clearly evident in our northern summer resorts. The keeping qualities are excellent; stems of well-grown stock are 2 to 3 feet high, abundantly set with buds and the flowers if handled with reasonable care will stand shipping to considerable distances. It seems likely that some day a few out of the pathfinder-class of American florists will begin to grow this beautiful garden flower systematically and make a profitable side issue for late spring sales out of it. The herd instinct will bring followers. Then the large and attractively-shaped single and semi-double bells will become a permanent and familiar sight in the miscellaneous section on the May and early June counters of commission man and retailer. Advanced that far, the private and landscape gardeners are bound to see their chances at last.

To grow *Campanula persicifolia* exclusively for the cut flower trade means, according to my observation, to treat the plants as biennials—that is, to sow the seed each spring during February and March under glass; transplant seedlings into flats as soon as they can be handled and in May plant in richly manured garden soil out of doors in permanent position where they are intended to be flowered the following season. Well-grown two-year-old stock, especially if left undisturbed, will produce flowers as freely as shown in our illustration. The grandiflora single varieties appearing in pure white and several clear blue shades should in my opinion receive consideration first. Both the white and blue are nearly equally in demand.

As for the sale of plants conditions are different. Seedlings, no matter how good the strain may be, can not be absolutely relied on to come true to variety and color. To meet the ever-present call for single and

semi-double and double varieties in district colors plants must be treated as perennials. Propagation in this case has to be done by divisions or cuttings after flowering. *Campanula persicifolia* requires a good leaf-covering throughout the north and a light protection of evergreen boughs or clean straw in the middle states.

Richard Rothe

Northeast Harbor, Maine.

Rev. C. S. Harrison in Summer Land

EDITOR HORTICULTURE:

I find myself in this land of dreams and of eternal summer. It is so different from our northland. Last week I called on a large nursery and they were shipping stock. Every day in the year, except Sundays, is delivery day—no packing houses or burying stock. What impresses one most is the rapid rise of land. I think they must fertilize it with yeast. You are almost afraid to go on some pieces through fear it may rise while you are on it! Ten acres soon becomes twenty, and then forty, and then one hundred and sixty. Men look me squarely in the eye and say "we get better returns from ten acres than you can from your one hundred and sixty in Nebraska." Now we consider eastern Nebraska as the garden spot of the west and I feel so ashamed I can hardly look up.

My son, a few months ago bought a lemon orchard—10 acres for \$10,000. He went home, turned around a few times, and when he got back they told him it had doubled in value. He took me out to see it. It is a fine piece; but I am lame and did not venture on it. I didn't know but it would take a rise with me on it and didn't know how I could climb off. Harry, however, walked over it, and got off before it had time to rise. He examined the trees and found every one alive and doing well.

In the neighborhood of Whittier are immense orchards of English walnuts. They were looking fine and were bearing well. But I saw they were cutting them down by the thousand. "How is this?" I asked. They were returning \$100 per acre a year, with a prospect of twice that when they got their full growth. The reply was "we can't stand any such little measly return as that, so we are planting lemons which will give a yearly income of \$500 to \$1,000 per acre per year," and so it goes.

You needn't wonder if I get a little dizzy looking on. But this is great. I left a Nebraska blizzard last month and came to this summer land and it is delightful. When a man gets to be near 80 he cannot stand the cold. Years ago in Minnesota I traveled when the mercury was frozen solid, and now zero weather is too much. I expect to stay at this hotel, "The Occidental," all winter. Living is very cheap. You can get good meals for 15 to 25 cents and rooms are reasonable.

Yours,

C. S. Harrison

Los Angeles, Cal.

Seasonable Notes on Culture of Florists' Stock

ASPARAGUS

The florist who has to grow a good deal of green to meet the demand of a retail trade should obtain some fresh seed of *Asparagus plumosus* and *Sprengeri* as soon as it can be obtained and sow it. They are both slow in starting and require all the time from now on to grow into good serviceable stock. Sow the seed in flats or pans in a compost of loam three parts, leaf mold two parts and enough sand to make it porous. Cover the seed about an eighth of an inch deep. They will germinate freely if stood in a temperature of 65 or 70 degrees at night and kept covered with some glass, and also shaded until they start to come up. When they show up well stand them near the glass and keep them moist and in the same temperature that they were started in. They can be potted up into 2-inch pots when they are about two or three inches high using a mixture of fresh loam three parts, cow manure one part and a little sand. When they have filled these pots with roots shift into 3-inch and again into 4-inch pots which will serve until they are planted out into their permanent beds.

BEDDING BEGONIAS

Where you grow a variety of bedding begonias sow the seed now and grow on, which will mean nice bushy plants in four-inch pots by May. The soil in which you sow the seed should be sifted fine. A good compost to use is fresh loam two parts, leaf-mold two parts and a liberal allowance of sharp sand. Press the compost moderately firm, make the top smooth and on this scatter the seed, but not too thickly as the seedlings usually damp off if too close together. Cover very lightly and press again. Shade and cover with a pane of glass until the young plants come up strong. Place these pans in a temperature of from 60 to 65 degrees at night where they will get a little bottom heat. See that they are kept in a moist state and give them a place near the glass. After they have made sufficient growth they should be pricked out in the same compost in pans or flats and given a slight shade from the midday sun. As they grow and have made leaves an inch or two long they can be moved into 2½-inch pots, giving them a richer compost. These are good bedding begonias: *Begonias Semperflorens Atropurpurea*, *Semperflorens Coccinea*, *Semperflorens Zulu King* and *Erfordii*.

CARE OF GERANIUMS

Now when the Christmas trade has caused a perceptible clearing of benches it is well to remind the grower of geraniums. All these that have been potted, but for the want of room are in crowded quarters, should now be given more room between the plants, for there is nothing more detrimental to the perfect development of all bedding plants than crowding. Don't neglect your cuttings which for want of room are still in the sand. Use a good fresh loam three parts, well-rotted manure one part and give them either 2½ or 3-inch pots; all those that were potted up early can by this time have a shift so as to keep them moving along. Give geraniums a good sunny bench in a house where the temperature runs anywhere from 55 to 58 degrees at night, and give ventilation whenever possible to keep them stocky and

healthy. If short of stock you can propagate right along until the end of January and have fine bedding stock. From now on do not allow your plants to stand still for the want of care. It pays to pot and shift as they may require it. For the best up-to-date varieties consult HORTICULTURE's advertisers.

HAVE YOUR PROPAGATING BENCH READY

Now when the most propitious season is rapidly drawing near for the increase of all kinds of stock make a good beginning in advance and have everything in good working order. All the benches should be examined as to their soundness and repaired where necessary. Always make it a point to give your cutting benches a thorough cleaning by washing down the sides and bottoms with a strong force of water and then give the entire surface of the benches a whitewashing of hot lime which will help to keep down the cutting bench fungus. See that your heating system under the benches is in a reliable condition to furnish the proper amount of bottom heat. A safe rule to observe with all cuttings is to have a steady temperature in the propagating sand of about 10 degrees higher, according to the variety of stock propagated, than that in which the plants were growing. Place an inch or more of gravel or any other coarse but clean material in the bottom for drainage. On this put three or four inches of clean, sharp sand, spread nice and even, which should be packed down firm and smooth, after which the bed should have a good watering which will soak it through.

HYDRANGEAS FOR EASTER

Hydrangeas intended for Easter should be transferred now into a cool house with a temperature of about 45 degrees at night and by the 15th of January they should have a gradual rise to 50 degrees during the night with about 10 or 15 degrees of an increase with sunshine. Water freely at the roots to keep them in a moist condition. When the weather is good give them a spraying overhead two or three times a day to encourage an even break of growth. As they begin to start well into growth they should be allowed a bench where they will get all the light and sunshine possible. The temperature can be gradually increased until by the end of February the highest degree in heat should be reached, which can be anywhere from 65 to 70 degrees at night. This temperature should be held until the trusses begin to show color when they should be given a gradual reduction of temperature.

ROOTS STORED UNDER BENCHES

Don't fail to examine all roots and tubers stored away under the benches. They should be gone over about every three weeks to see what condition they are in. See that they are not kept too wet in some places while in other parts they are liable to suffer from dryness. The proper way to keep them is to have them covered with sufficient soil or sand just moist enough to keep them in a plump state. When they are kept either too wet or dry they lose a lot of their vitality and even if they should grow the growth will be weak in comparison with those that have been carefully looked after.

John J. M. Farrell

Mr. Farrell's next notes will be on the following: Begonia Rex; Carnations; Care of Smilax; Grafting Roses; Marantas; Orchids.

Fruits and Vegetables Under Glass

TOP DRESS STRAWBERRIES

Strawberries started the first of the month will have commenced growth and the roots will be seeking nourishment. Turn a plant or two out of their pots to ascertain if the roots are working, then proceed to give them a top dressing of good rich soil or add a small percentage of lasting manure to it. Remove as much of the surface soil as you can before adding the new and when so doing leave enough room for the water. This top dressing plays an important part with early strawberries, as no more feeding is advisable until the fruit has set, when they will take all you can give them. To feed from now on would grow a quantity of soft foliage; a large percentage would be liable to go blind and when the plants should feel the effects of strong "drink" and put more energy into all their functions they are already immune to it and you do not get the desired effect. Raise the temperature of the house to 50 to 55 degrees at night. Watch that the hose does not miss the underneath side of the foliage or red spider will soon present itself. Great care should be exercised in ventilating as strawberries are very susceptible to mildew.

PEACH BUDS DROPPING

To make the statement that when a peach or nectarine tree is dormant is a very critical time with it seems to be outrageous, but the fact remains that with a little neglect now—a tree thoroughly dried out, a dry warm atmosphere or a fluctuating temperature—down comes the whole lot of flower buds; you cannot glue them on again; a season's work is lost. This bud-dropping is not known outside because the trees never become dry at the root during this season, nor does the atmosphere. Late root pruning will often cause buds to drop if coupled with any dryness. Look to the borders periodically and do not let them get dry. Pot trees placed in any cool house to avoid frost on the pots, will need a more rigid attention as they dry out more quickly. Syringe the trees over on fine mornings two or three times a week which will keep the buds plump. Dropping often commences immediately the house is started. There is no cure but lots of simple preventives.

HISTORY OF THE VINE

The vine shares with the fig the distinction of being one of the oldest cultivated fruits in existence. The Holy Bible makes reference to them in more than one place and the works of ancient writers disclose the fact that the vine has always been cultivated wherever civilization has brought man to his rightful sphere in the world and the climate allowed it to grow. Even where climatic conditions were averse, artificial means have been brought into use and we find the vine one of the first subjects to be grown successfully under glass. The grape vine, *Vitis vinifera*, was found growing wild in western Asia, northern Africa and southern Europe

and from this the numerous varieties we have in cultivation today have descended—some the results of nature's work as they grew in their wild state, others the direct result of man's forethought and hybridising, the greater part of which has been done under glass. Varieties suitable for cultivation in the vineyard and field have also come under these guiding influences to be greatly improved. It is those especially adapted for growing under glass that we are interested in at this time. New introductions are sent out yearly, each claiming some improvement, but there are a few real old ones which have held a reputation for years and cannot be replaced by the novelties. A most notable example of this is Black Hamburgh, which needs no introduction to readers of *HORTICULTURE*—undoubtedly one of the first grapes to be imported into this country. Could many well-known varieties trace their ancestry back far enough I think they would eventually find a stray line of Black Hamburgh work in somewhere. The majority of grapes grown under glass owe their origin to the skill of the gardener. The grape vine has always enjoyed a long life and with care will last a lifetime.

TOMATOES

Tomatoes planted for the fall and winter supply will soon finish and to keep up a supply a sowing should be made now. It does not pay to keep old plants which are about worn out, for the sake of a few fruits which may still be hanging. The seedlings can be grown on into six-inch pots before planting them on the benches and then only half the old crop can be done away with and replenished with young plants. As soon as these younger ones commence fruiting plant up the other section. Numerous varieties are grown good under glass and can be classed as those bearing large fruits and others having rather small but very solid fruits. The latter are often preferred on account of shipping well, and are more economical when using small quantities. Stirling Castle and Sunrise are notable examples of these. Of the larger varieties Best of All and Comet are good. Sow the seed in well drained pots or pans in a light compost and place in a temperature of 65 degrees.

CUCUMBERS

Cucumbers that are wearing out can be replenished in the same way as the foregoing. Make a sowing now and plant up half the space allotted to them when ready. Improved Telegraph and Rochford's Market, two of the older school, are still in the lead for productiveness. Peerless and Matchless are finer fruits but do not produce the crops of the former two. Sow the seeds singly in three-inch pots and give a temperature of 70 degrees.

George H. Benson

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The death of Victor Lemoine

We little realized when we published the portrait and a partial resume of the life work of this venerable horticulturist in our issue of last week that the eminent subject of our sketch had, a few days before, passed on to his reward. There is nothing we can add now to what we have already said as to the great and lasting benefits which horticulture the world over enjoys as the result of Victor Lemoine's genius and industry. America extends to France her sincere condolence and sympathy in the irreparable loss which she and the whole horticultural world has sustained in the passing away of her distinguished son. *Du' Il repose en Pair!*

Fragrant Gladioli

In the brief paper by A. E. Kunderd which appears in this issue mention is made of the possibility of yet evolving the long-sought fragrant gladiolus. It certainly would be a big boom for the gladiolus if the sweet odor of the German iris or freesia, for instance, could be added to its other charms. This leads us to inquire whether any one knows anything of *Gladiolus odorus*. In Robert Marnock's Horticultural Magazine, as long ago as July, 1838, there appeared an article on this species, a specimen of which had been sent from the Botanic Garden, Hull, England, and which was accompanied by a colored illustration showing the flower to be of the nanus type, white delicately tinted with lavender and lemon. Is this species still available or is it in existence under some other botanical name? A really fragrant parent would be a big step toward the realization of Mr. Kunderd's ambition.

A favorite for Centuries

Our frontispiece depicts one of the most useful members of the *Campanula* family and a practical article on this subject from the pen of Richard Rothe appears in another column of this issue. *Campanula persicifolia* has been a garden favorite for centuries. Under the title of Bell-flowers John Parkinson in his *Paradisi in Sole Paradisus Terrestris* wrote nearly 300 years ago as follows:

Campanula Persicifolia alba vel coerulea, the Peach-leaved Bell-flower white or blew hath many tufts, or branches of leaves lying upon the ground, which are long and narrow, somewhat like unto the leaf of an almond or Peach tree, being finely nicked about the edges, and of a sad greene colour, from among which rise up divers stalkes, two foote high or more, set with leaves to the middle and from thence upwards, with many flowers standing on several small foot-stalkes, one above another, with a small leafe at the foote of every one; the flowers stand in small greene huskes, being small and round at the bottome but wider open at the brimme, and ending in five corners, with a three forked clapper in the middle, set about with some small threads tipt with yellow, which flowers in some plants are pure white, and in others of a pale blue or watchet colour, having little or no sent at all; the seede is small, and contained in round flat heads, or seede vessels. The roote is very small, white and threddy, creeping under the upper crust of the ground, so that oftentimes the heat and drought of the Summer will goe near to parch and wither it utterly. It requireth, therefore, to be planted in some shadowie place.

All the Bell-flowers do grow in our Gardens, where they are cherished for the beautie of their flowers.

The Peach-Bels as well as the others may safely be used in gargles and lotions for the mouth, throat, or other parts, as occasion serveth. The roots of many of them, while they are young, are often eaten in sallets by divers beyond the Seas.

AMERICAN BULBS.

A paper read before the Western Gladiolus and Dahlia Society by E. S. Thompson.

Perhaps this subject may not appeal to many of you as being of special importance, but to me it is of wide significance. Always, as far as our history is concerned, we have looked to Europe for bulbs that are sold. A few of course in the homes of the people, but as for growing on a scale commensurate with the demand, home raising was hardly thought of until close on to the original World's Fair, Chicago, 1903. But since that date it has grown by leaps and bounds, until today we are largely supplying our own country, and also exporting by the million. In tuberose bulbs we beat the world, on the south Atlantic coast; and from Long Island, thanks to the enterprise of John Lewis Childs millions of gladiolus bulbs are exported to Europe and other countries. The greatest drawback seems to be to grow what is known as the Dutch bulbs and lilies. However, we are finding that the Pacific northwest in the vicinity of Puget Sound is well adapted to growing this class of bulbs, as also is the Richmond district on the Atlantic coast. This United States has climatic advantages excelled by none, and it needs only the push of Yankee ingenuity to develop other lines fully as much. Tiger lilies can be grown on the East Lake Michigan coast as cheaply and as well as in Holland. Of course we have to contend with the cheap labor of other countries but we have an offset in the saving of freights and the loss in carriage, that oftentimes leaves a good margin of profit of itself.

One of the greatest difficulties we have to encounter is the slogan dear to the heart of many, "Importer." As though something imported was vastly superior to anything grown in the usual every day way at home. One of the obstacles to progress in any line of work is the desire of some to be exclusively superior to their fellow mortals, and it applies to the bulb business as well as to a host of other lines. But when men who specialize in any one line join together and work for mutual advancement, all are benefited.

Of late years our leading seedsmen are sending all over the world for new and rare things. Childs has done this to a large extent, and although at times over-colored regarding results, we are greatly indebted to him for the marvelous advance in the gladiolus. Farquhar of Boston has been doing valu-

able work with lilies. With Burbank and Groff, as well as our own Kunderd and Koerner, rapid progress is pushed on apace with the glorious gladiolus. What we need now is co-operation among growers and a disposition to play fair with results, and by this means gain for ourselves advantages that should accrue to the hybridizer and grower. Our country can produce almost anything in the bulb line the world produces, and we are truly only on the brink of the great stream of success—not only with the gladiolus and dahlia, but with numerous others of the world's favorites in flowers produced from a bulbous

crops this season, and said "America must grow her own seeds." How about our own bulbs? They are of equal importance and deserve equal attention. The field is broad and valuable, and by no means occupied. Let us during the coming year try out more of the varieties sold by seedsmen in this country, and come up here another season with a show of bulbs that for value will fairly take the trade off their feet.

DYNAMITING LAND.

On Dec. 20th a most interesting demonstration in dynamiting land was carried out on the estate of Mr. Colgate Hoyt, Centre Island, Oyster Bay, L. I., before a delegation of members of the Nassau County Horticultural Society. The demonstrators were Joseph Robinson, superintendent of the estate and John T. Ingram, florist, Oyster Bay. What was accomplished clearly exemplified the efficacy of the action of dynamite in improving certain soil conditions and in cheapening labor.

A section of ground of a swampy nature, having a rather good top soil, but an understratum of hard impervious material, thereby causing a sour undrained condition was dynamited to produce a natural drainage through the shattering of this understratum.

Another demonstration was that of dynamiting places for tree planting, so as to lessen the manual labor attached to the digging of holes and to improve the condition of the soil. Also tree stumps were dynamited, with the result of a considerable lessening of manual labor in their removal. The results obtained throughout were most satisfactory, and clearly exemplified that dynamite is a potent factor in land operations.

The demonstrators are enthusiastic and energetic men and no doubt would be only too glad to relate the results of their labors in this field of work.

JOHN F. JOHNSTON.

Lawrence, Mass.—After conducting the most successful auction sale which this city has ever known, Thornton Brothers have entirely closed out all of their immense stock of jewelry, silverware, cut glass, china, bric-a-brac, etc. They will still remain in the florist business at their present location.

Price quotations given in the advertisements and reading columns in this paper are for the trade exclusively.



BEGONIA GLOIRE DE LORRAINE

One of the late Victor Lemoine's best productions.

rhizome root. California and the Pacific coast, the Fruit Belt of Michigan, Long Island and the south Atlantic coast, are producing today vast quantities of bulbs that know no superior, and other parts of our country are coming to the front in an equally meritorious manner.

Brothers let us go at this matter with a determination to get the best out of it and nothing will stop the progress. Our slogan should be "Grow our own stuff," and we can, if we will. I believe our catalogue men would gladly patronize home growers did we but produce as well and reasonable. A Long Island grower now in France wrote to HORTICULTURE deploring the shortage of seeds in European

Obituary.

Victor Lemoine.

Victor Lemoine, horticulturist and officer of the Legion of Honor of France, died at Nancy on December 12, 1911, in his 89th year.

Victor Lemoine was born at Delme (Lorraine), Oct. 21, 1823. His ancestors for generations back had been gardeners. After his college studies at Vic-sur-Seille he devoted several years to traveling and then worked successively for Bauman at Bollweiler (Lorraine), and Louis Van Houtte of Ghent (Belgium), also Mieliez of Lille (France), and in 1850 established himself, with small means, as a florist and landscape gardener at Nancy (Lorraine). There he was a member of the town council from 1871 to 1888. On June 13, 1885, he was made a knight and on April 3, 1894, an officer of the Legion of Honor of France. Lemoine was Hon. Vice-President of the Central Horticultural Society of Nancy, Hon. Member of the National Horticultural Society of France, the Royal Society of Agriculture and Botany of Ghent, the Royal Horticultural Society of Munich, etc., and was also corresponding member of the Massachusetts Horticultural Society, Boston. He had the honor of being the first foreigner to be presented with the Veitch Medal by the Royal Horticultural Society of London, and it is only a few weeks since he was awarded the George R. White Medal of Honor by the Massachusetts Horticultural Society.

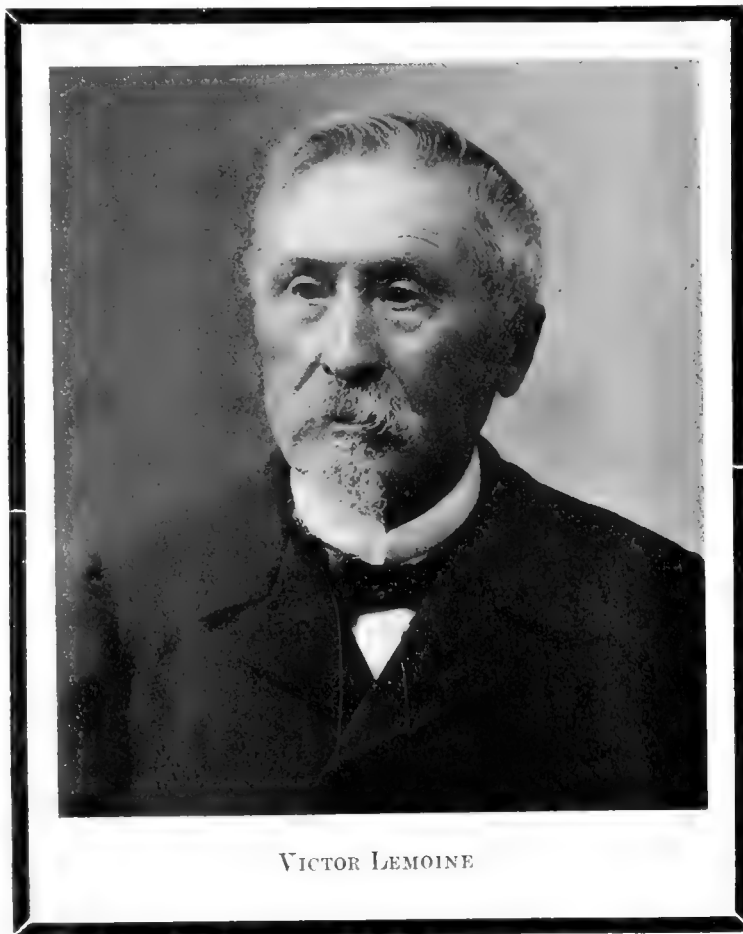
In our issue of December 23 we endeavored to set forth, although in a somewhat fragmentary manner the stupendous achievements of Victor Lemoine in the realm of horticulture. There is no spot on this wide world where plants and flowers are raised, where we do not find representatives of Lemoine's hybrids or introductions; no florist or gardener, who has not, at one time or another, handled Lemoine's productions, ignorant though he may have been of the name of his benefactor. If Victor Lemoine's garden children were to be all eliminated from our nurserymen's stock and catalogues it would leave an appalling void and a large share of our garden beauty would be gone. If Begonia Gloire de Lorraine alone should be taken from the florists' holiday plant list, how sadly we should miss it!

So, although he had almost reached four-score and ten years, his death will

be profoundly felt and regretted. Fortunately the work of Victor Lemoine, like that of the Darwins, is a family work. Mr. Emile Lemoine has co-operated with his renowned father for many years and the third generation is already interested in it, and it is safe to say that the name will still for many years to come be intimately associated with the advancement and elevation of horticulture.

Charles J. Schultz.

After a long and painful illness Charles J. Schultz, father of Oscar J. Schultz, the well-known florist of Newport, R. I., died at his home in that city on Dec. 23rd. "Charley" Schultz, as he was familiarly called,



VICTOR LEMOINE

was a native of Sweden and came to this country when a young man and has been a resident of Newport for nearly forty years. He was a carpenter by trade and for several years previous to his illness was engaged with his son Oscar about the greenhouses, making himself so valuable to the concern that he will be much missed. He had a wide circle of acquaintances who also very much regret his departure.

Jonathan Periam.

Jonathan Periam, died at his home 6842 Perry street, Chicago, Ill., on Dec. 9, aged 88 years. He was a frequent contributor to the agricultural press. Mr. Periam was born in New York in 1823 and went to Chicago in 1838. He held the position of editor of the *Prairie Farmer* for 15 years, retiring 13 years ago.

Sir Joseph Hooker.

Sir Joseph Dalton Hooker died at his residence at Sunningdale, England, on Sunday, December 10. He was born at Halesworth, Suffolk, on June 30, 1817, hence was in his 95th year. He was the second son of Sir William Jackson Hooker, the distinguished botanist and director of the Kew Gardens, and in the last named succeeded his father in 1865. The *Gardeners' Chronicle* for December 16, devotes over four pages to an account of the life and labors of this distinguished scientist. We can only quote a few paragraphs:

"His death will be mourned throughout the world of science and in the larger world, wherever there are men to rever-

ence a noble life and to honor splendid achievement. For Hooker was not only the greatest of British botanists; he was one of the great outstanding men of his age. That position he won by the hardest yet surest of ways, that of doing his special work supremely well.

"Though he lived far beyond the allotted span of human life, Hooker, the man of science, never grew old. As each new generation of botanists arose, it turned to Hooker as its acknowledged master. The man who had been alive and at work in what seemed to the younger men a remote past was still alive and at work in their midst. The man who led the van of scientific progress in the '50's of last century remained, by right of brain and example, our leader till his death.

"The advancing years seemed almost to pass him by, save that they brought him the sacred accompaniments of old age—love, honor, and obedience, troops of friends, till at the age of 94 death surprised him whilst he was yet at work.

"Those of us who knew Hooker in his hale, serene old age might well have imagined that his life had been spent in sheltered retirement from the vexations, troubles and perils of the world. Yet to few men, in whatsoever walk of life they be, falls such an eventful career as he chose for himself.

"Unlike so many journeys the labors of which cease with the homecoming, Hooker's travels involved years of arduous toil after the wonderful harvest of plants which he collected had been garnered in. The working out of his own collections was in itself a herculean task, and beside the plants which he had gathered with his hands, Hooker received countless specimens from his correspondents in the four quarters of the globe.

"Hooker's claims to immortal memory in the annals of science rest by no means solely on his contributions to systematic botany. A great observer, the range of his observations in the countries which he visited included geological, geographical and meteorological phenomena."

"Yet, remarkable as were Hooker's achievements as a traveller, collector, and observer, they do not complete the tale of his contributions to knowledge. To many of us, at all events, Hooker's most abiding title to lasting memory is his epoch-making work on the geographical distribution of plants, and the application of that work to the elucidation of the problems of evolution and the origin of species."

"Of the honors which fell to Hooker, it

is scarcely necessary to speak. He received from the Royal Society the Royal Copley, and Darwin medals, and attained in 1873 to the highest position open to a British man of science, the presidency of the Royal Society. In 1877 he was created K. C. S. I., and 10 years later, on his 80th birthday, he received the Order of Merit."

Dr. J. Q. Mulford.

Dr. J. Q. Mulford, florist, Lebanon, O., was killed by a cave-in of dirt and concrete in a ditch he was repairing. He retired from medical practice several years ago and had built up a good florist business.

Fred H. Johnson.

Fred H. Johnson, who for years conducted greenhouses on Whitney avenue, Olean, N. Y., dropped dead in the Llewellyn greenhouses on Dec. 18. He was well known in Olean and for some time had been employed in the greenhouses where he died.

G. Van Antwerp.

G. Van Antwerp, of G. Van Antwerp & Son, seedsmen, Mobile, Ala., died on Dec. 10.

Gervase Pfordt.

The funeral of Gervase Pfordt, of J. G. Pfordt's Sons, florists, 897 Broadway, Albany, N. Y. took place Dec. 20.

A SUGGESTIVE EXHIBITION.

During the present week and up to Sunday night, December 31, there is a very interesting and instructive public exhibition of photographs by the Arnold Arboretum at Horticultural Hall, Boston. The photographs, which are most beautiful examples of expert photography, were made by E. H. Wilson on his Chinese plant collecting journey and depict wild mountain scenery, trees, shrubs, herbs and characteristic architecture, each arranged in classes respectively and comprising four hundred pictures.

It would take a whole book to adequately describe the various subjects depicted and we can here only glance at a few specially noted in a brief survey. Chinese tree species, as a general thing, run smaller in size than their relatives of other countries. Notable exceptions are the Chinese saffras, *S. Tzumu*, which is shown to grow to a height of 100 ft. and with a girth of 15 ft., bigger by far than our American species. A *Rhododendron*, unnamed species, is represented by a specimen 40 ft. high and with 5 ft. girth, bearing fine trusses of rosy red flowers. A *cercidiphyllum* is shown 80 ft. high with a solitary trunk, 7 ft. girth, growing in an open park-like country. Mr. Wilson says that the *cercidiphyllum* attains to

larger size than any other tree in Asia. One photograph shows a giant stump of one which is 80 ft. in height and has a girth of 55 ft.

Shrubs are very numerous in this collection. Gems such as *Dentzia Wilsoni*, *Spiraea Veitchii*, *Buddleias*, *Cotoneasters*, *Clematisses*, etc., in wide diversity of forms are shown. Of roses the *Banksia*, *multiflorum*, *moschata* and others well known are shown in their native habit. A *Syringa* with pendulous flowers, as yet unnamed, and *Itea ilicifolia* with floral "tails" one foot to one and a half ft. long catch the eye at once. (The last named received an award of merit in London recently). *Cornus Kousa*, a

THE GLADIOLUS AND ITS FUTURE.

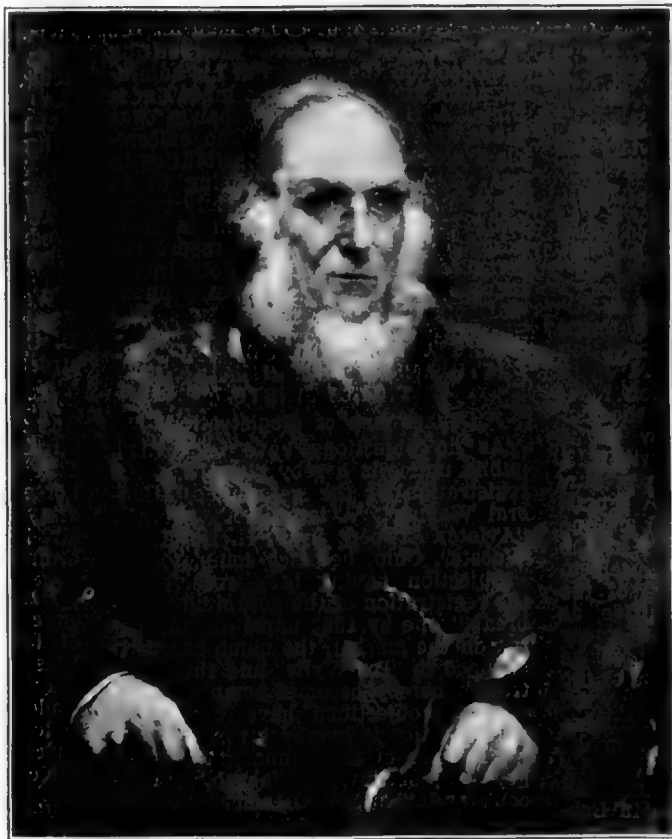
A Paper read before the Western Gladiolus and Dahlia Society by A. E. Kunderd.

So much has been written and said for the gladiolus concerning its culture both out of doors and under glass for bulbs and cut flowers that I will not attempt to suggest anything on that line, as you are all experts on that subject. I will only mention C. L. Allen's "Bulbs and Tuberous-rooted Plants," and the excellent new book on the gladiolus by that veteran authority, Matthew Crawford, as two of the most reliable sources of information regarding the same.

Although a lifelong breeder of the gladiolus, it should take a much better tongue and pen than mine to do this subject the justice it so well deserves. I have been so busy admiring and working with the gladiolus that I have never thought much about its present or future. How well the gladiolus has taken care of its good reputation you are all aware, and I feel certain it will do even better in time to come. Of course I am an enthusiast as a breeder of this—one of the most magnificent of all the many beautiful flowers—and as such have a boundless confidence in its still greater future, both commercially and artistically. Commercially its usefulness is only just being recognized, and its future in the hands of the plant breeder holds almost boundless possibilities. Only a few days ago some of its friends have reported new beauties in foliage variation, and I believe much can be done to develop this feature alone. In addition to the reported foliage with white striping, great improvements may be expected with the normal color. For

a number of years I have been selecting and breeding with this object in view, and found the gladiolus as susceptible along this line as in the improvement of its flowers. Tall, wide, rich green foliage, tall, slender and graceful foliage, of forms best suited to the usual straight-stemmed varieties, and some beautiful slender and drooping foliage, best suited to blend with what is known as bent or crooked-stemmed varieties. That there is a future of usefulness for the last-named form of stem, I feel confident.

Other features of form and type will suggest themselves to any experienced observer, and I am confident the long-wished-for sweet-scented varieties will yet be perfected. Much has already been done; more will be accomplished by careful and patient workers in the development of this flower.



Reproduced from the Gardeners Chronicle

SIR JOSEPH HOOKER

near relative of our own *C. Florida*, has a wealth of bloom—flowers 5 in. across. "Boston Ivy" is seen growing wild on tree trunks. There are *Aralias*, *Crataeguses*, *Bamboos* in graceful poise and many unnamed species in *spiraes* and other garden shrubs that will in due time become familiar ornaments of our American gardens. Lilies, gentians and many other beautiful subjects are displayed in the herb department.

The impression one carries away after seeing this suggestive display is that it will be many, many years before all the rare floral treasures of that vast mountain country are brought to light. The discoveries thus far, remarkable as they are, are only a beginning. Untold wealth is still hidden in those untrodden fastnesses.

CLUBS AND SOCIETIES.

NATIONAL ASSOCIATION OF GARDENERS.

President Thomas W. Logan has made the following appointments on the Board of Directors of the National Association of Gardeners, same to take office on January 1st, 1912:

To serve for three years:—John Shore, Harrison, N. Y.; Peter Duff, Orange, N. J.; Thomas Proctor, Lenox, Mass.; Alexander McKenzie, Glen Cove, L. I.; William Kleinheinz, Ogontz, Pa.; W. N. Craig, North Easton, Mass.; James Stuart, Manaroneck, N. Y.

To serve for two years:—John Dodds, Wyncote, Pa.; T. J. Kempton, Baychester, N. Y.; Robert Angus, Tarrytown, N. Y.; Carl Schaffer, Tuxedo Park, N. Y.; E. Wetterlow, West Manchester, Mass.; Robert Bottomley, New Canaan, Conn.; E. Trethewey, New York, N. Y.

To serve for one year:—A. Bauer, Deal Beach, N. J.; J. F. Huss, Hartford, Conn.; H. F. Whitney, Fishkill, N. Y.; Alexander Fraser, Newport, R. I.; James Bell, New York, N. Y.; Edward Kirk, Bar Harbor, Me.; Wm. Pirlie, Buffalo, N. Y.

Xavier Schmidt, of Philadelphia, Pa., has been appointed assistant secretary and W. E. Maynard, of New York City, organizer, for the coming year.

The officers elected for 1912 are:—President, Thomas W. Logan, Jenkintown, Pa.; vice-president, Martin B. Tillotson, Great Neck, N. Y.; secretary, Martin C. Ebel, Madison, N. J.; treasurer, Roy H. Caverly, Lowell, Mass.

Considerable outside interest is being manifested towards the National Association since its last convention which was held in Madison, N. J., in October last. The organization itself has become much interested in the contemplated International Show to be held in New York City in April, 1913, and some of its members are preparing to have large exhibits. A prominent gardener, superintendent of one of the largest private estates in the east, has already declared himself to Chairman Charles H. Totty, of the National Flower Show Committee, as expecting to bring more than a car load from the estate over which he presides, which is located in one of the adjoining states to New York, to the 1913 exhibition. Some keen competition may also be looked for from the National Association members at next annual show of the American Sweet Pea Society, to be held in Boston, in July, 1912, this society having promised to provide liberally for special gardeners' classes.

A great growth is looked for in the National Association of Gardeners during the year 1912. President Logan will call a meeting of the new Board of Directors early in January to meet in New York City, and some important matters will be brought up looking to the future development of this organization, which promises soon to become an important factor in the field of horticulture in this country.

MORRIS COUNTY GARDENERS' AND FLORISTS' SOCIETY.

The annual election of officers of the Morris County Gardeners' and Florists' Society was held at the December meeting with the following results: Robert Tyson, president; John Dunn, vice-president; Wm. H. Duckham, treasurer; Edw. Reagan, secretary; Robt. M. Schultz, assistant secretary. The same executive committee rules our destinies as last year, only

one reitring; president John Downing takes the place of John Dunn, who is vice-president elect. Charles H. Totty gave us a much appreciated talk on the novelties of 1912. It was an impartial discourse, he giving due credit to novelties of merit wherever he could find them.

As fine a lot of poinsettias as could be seen was staged by Harold B. Vyse of "Glimpewood Manor." They were grown in 5-inch pots, and averaged over 18 inches across. This is a favorite with Mr. Vyse, and the way it responds to his treatment makes one marvel—leaves clean down to the pot, and the color most intense. Cultural certificate was awarded.

A. Herrington, as spokesman for the members, congratulated the retiring president on the success of his administration and the progress made under him. A rising vote of thanks was given to Mr. Downing. The officers-elect accepted their responsibilities in neat speeches, each promising to do his best, and the whole society promising to stand behind them in their efforts. In a preliminary report the treasurer reported the society in remarkably fine standing from a financial point of view. E.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

Department of Registration.

As no objections have been filed, public notice is hereby given that the registration of the geraniums, "General Wayne," "Aviator Rodgers" and "Aviator Atwood" by F. H. DeWitt of Wooster, Ohio, becomes complete.

Objection having been received to the registration of the geranium "Day-break," one by that name already being on the market, the name has been changed to "Dr. Wylie" and the registration hereby becomes complete.

As no objections have been filed, public notice is hereby given that the registration of the Cannas, "Conowingo," "Splendour," "Wabash," "Beacon" and "Kate F. Deemer" by The Conard & Jones Company of West Grove, Pennsylvania, becomes complete.

Objections having been withdrawn, public notice is hereby given that the registration of the rose "Double Improved White Killarney," by S. J. Reuter & Son, Inc., of Westerly, Rhode Island, becomes complete.

As no objections have been filed, public notice is hereby given that the registration of the Althea Wm. R. Smith, by Henry A. Dreer, Inc., of Philadelphia, Pennsylvania, becomes complete.

H. B. DORNER, Secretary.
Dec. 21, 1911.

CLUB AND SOCIETY NOTES.

The next meeting of the Gardeners' and Florists' Club of Boston, January 16, will be ladies' night, with entertainment and dancing in order.

The Yonkers (N. Y.) Horticultural Society elected the following officers: Howard Nichols, president; Francis Drexler, vice-president; Louis Taylor,

secretary; Wm. Watt, corresponding secretary; Peter MacDonald, treasurer; Wm. A. McDonald, Thomas Mahone, Louis Milliot, H. Wells, Robert Rochran and N. Neidig, executive committee.

A very pleasant evening may be expected when the Washington Florists' Club meets in January. Since the appointment by the president of an entertainment committee the latter has been busy mapping out a program for 1912, and with good results. On January 2nd the first of a series of lectures will be given by a prominent man connected with the business on a subject of interest to all. Special invitations will be sent to each of the members to bring their florist friends with them and a large attendance, no doubt, will be had. The members of the committee in charge are Otto Bauer, N. L. Hammer and A. O. C. Oehmler.

PERSONAL.

Thos. Windram of Cincinnati left on Wednesday for the Lake Shore Ferneries in Florida.

Walter T. Gordon, formerly with the Washington Florist Co., Washington, D. C., is now located at Kramer's F street store.

Samuel Neil of Dorchester, Mass., was thrown from his delivery wagon, on December 23 at the corner of School and Washington street, his horse having taken fright and run away, colliding with another wagon. Mr. Neil was badly shaken up and bruised about the head.

Hardy Pritchard, who for the past twenty years has been in the employ of Gude Brothers, 1214 F. street, N. W., Washington, D. C., was married on the morning of December 14th to Miss Maddigan. The couple are now happily located in their new home, recently purchased by Mr. Pritchard for his bride, at 1008 Euclid street, N. W.

Visitors in Boston: Mr. De Graaf, Leyden, Holland; Mr. Harbison, Highlands, N. C.; John Urquhart, Newport, R. I.; H. A. Bunyard, New York; A. N. Pierson, Cromwell, Conn.

Philadelphia Visitors — Walter George Strange, representing Skidelsky & Co., New York and Philadelphia; Edwin A. Seidewitz, Baltimore, Md.; Charles L. Smith, Harrisburg, Pa.

PUBLICATIONS RECEIVED.

Annual Proceedings and Bulletin for 1911, American Rose Society. Secretary Benj. Hammond has done a nice piece of work on this publication and it will be welcomed by rose enthusiasts generally as an evidence that their national organization is very much alive and doing earnest and useful work. The great show in Boston last March and the meeting in connection therewith form a good part of the book. The treasurer's report shows up encouragingly. The book comprises about 100 pages and is embellished with some fine engravings.

CHICAGO NOTES.

Christmas Plants.

Plants gained another step in the race with cut flowers. Stores were so filled with them and they were so attractively dressed up with every embellishment known to the supply houses that it would have been a big Christmas had the cut flowers been left entirely out. From the little three-inch pot plant to the large hampers—reaching the limit probably in a giant combination affair seen at Harry C. Rowe's, with an immense azalea as a crowning piece surrounded by assorted plants in side pockets and which brought well up toward the hundred-dollar mark—all was artistic and appealed more strongly than ever to the Christmas shopper. Nothing new was brought out in plants, but skill in growing them just right and delivering them to the retailers at the right moment played a big part in the general success of the week. Azaleas were queen of the day, with poinsettias a close rival. Ardisias, cyclamens, begonias, heather, primula, obconica and araucaria well trimmed with ribbon and bringing good prices as Christmas trees, gave splendid variety from which to choose. Fleischman has one entire side of the store covered with steps reaching to the ceiling filled with plants and at eight o'clock Saturday evening the sign "closed" was put upon the door to keep out would-be buyers.

Trade Jottings.

Tony Einwich, who has charge of the cut flower department of the E. H. Hunt Co., is ill.

Michael Leider of South Evanston is having five new vegetable houses, 30 x 270 feet, Foley construction. Work begins this week.

Kennicott Bros. Co. will begin the New Year by making its store a model one. Every facility for handling consignments will be provided, and a new office, fully equipped with the latest devices, will be at the disposal of the bookkeeping force.

The Foley Manufacturing Co. will open a branch office in New York in January, an announcement of which will be made later. This company has discontinued the manufacture of sash and doors and will devote all their time and space to greenhouse material. This is probably the only firm in Chicago doing so. Phil. Foley has just returned from a trip to Richmond, Ind., where he closed a contract with E. G. Hill Co. for four new flat rafter houses, 34 x 400 feet.

SOME CHRISTMAS GIFTS.

W. J. Thurston, manager of the Boston Flower Exchange was surprised by his friends in the market on Saturday morning, Dec. 23, with the gift of a superb 23-jewelled Waltham watch and chain, both of solid gold. The presentation speech was made by President W. C. Stickel, who is a past master in oratory of this sort, amid much enthusiasm and applause. On Monday morning there was another excitement when salesmen, buyers and all got together again and presented to assistant superintendent George Hamer a purse of fifty dollars in gold.

At the Boston Co-operative Flower

Market there was a similarly pleasant affair on Saturday morning when superintendent Knight was made the recipient of a fine gold Hamilton watch and fob in recognition of long and faithful service, the presentation speech in this instance being made by John McFarland.

C. HARMAN PAYNE.

Horticulture's European Representative.

Herewith appears the portrait of a gentleman well-known by name to the readers of HORTICULTURE by reason of his frequent communications in our columns on horticultural doings abroad, and widely known in Great



C. HARMAN PAYNE

Our Special Correspondent on the Job.

Britain and on the Continent of Europe as a literateur and prolific journalistic writer on horticultural topics and—first and foremost—as a passionate lover of and literary exponent for the chrysanthemum, a flower with which his name is permanently linked. Mr. Payne holds a unique position in the horticultural world. He has served in innumerable instances in positions of responsibility in connection with exhibitions in England, and also in France where he is, we should say, just as much at home as in his native country, besides Belgium, Holland and elsewhere. The fact that this versatile gentleman has not yet put in an appearance on American soil is the only indictment we can bring against him. We hope he will make the trip in the not far distant future and we are greatly mistaken if he does not instantly learn the language of the country and the shibboleth of "the boys." He is already a member of several American societies.

MUSTARD AND CRESS.

By the Sage of the Ginger Gar, Philadelphia.

"Send a flowergram—passage prepaid to any part of the country—" is the way a clever retailer's card reads. This may not be exactly clear to the wayfarer but it is at least suggestive—leads to inquiry and paves the way for business.

Wanted, a job! George Craig has been in the flower business some forty years, and has made a success of it. The solicitous philosopher suggested that it was time to retire. George looked rather surprised but at the same time interested. "Why so?" said he. The S. P. snorted, and asked in that aggrieved and peevish tone one uses in replying to a superfluous question. "Why, you've got money enough!" "Yes," admitted the veteran; "but what else could I do? Here I've been shedding radiance and fragrance among my neighbors all my life. Why should I quit? What more delightful or beneficent thing could I do to justify my continued existence in this world?" The S. P. gave that up but feels sure there are thousands among your readers of a pessimistic turn of mind who can suggest a good job for this man.

There is always a right way and a wrong way to repeat a thing. The head of the house had been interviewed. The interviewer said at the windup: "All right then, I'll go see your partner about it, and see if he has not got some fresh ideas he can add to the subject." The head of the house said: "Very well, but see that they are not 'too fresh.'" And so with a smile he went off to lunch. Now, there is a coolness in the firm because the interviewer did not put in *the smile* to the junior but said that his partner said he was not to be too fresh. A joke is not a joke to some people unless you start in smiling before you tell it to them—and like as not they'll laugh at the wrong place, or in some cases laugh even if its not funny, just because they hate to appear stupid!

"Cats!" Abbreviations are convenient and among busy men inevitable. The flower business is no exception. It has its "mums" and its "cyps" and its "maids," and many others—mysterious things to the uninitiated. Robert Crawford was waiting in his usual Chesterfieldian manner on one of the four hundred—a lady—the other day. She wanted some orchids. There was some little doubt about it. Robert excused himself for a minute and turned to the phone. Getting the proper number, this was what apparently was said—"Hello, that you Charlie? Say, Charlie, got any cats? No, they won't do, cats is what I want. No, they have to be cats, and good ones, too. What's the matter with you, can't I make you understand? What's that, you say 75c. apiece?" At this point the lady who had been per force listening could stand it no longer and broke in—"Why, Mr. Crawford, I've got a nice pair of kitties I could let you have,

ORCHID IMPORTATIONS

**DENDROBIUM WARDIANUM LOWIANUM, THYRSIFLORUM, FORMOSUM GIGANTEUM, JAMESIANUM.
RENANTHERA IMSHOOTIANA, VANDA COERULEA, ONCIDIUM CONCOLOR.**

We have just received large importations of the above in excellent condition

Particulars on application

STUART LOW & CO. Bush Hill Park Nurseries ENFIELD, ENGLAND

Telegraphic Address "Orchids Enfield"

a black and a maltese, and you can have them for nothing!"

The statement in a recently printed "Nosegay" to the effect that the new recognized Christmas decorative flower, the attractive poinsettia, was introduced to the east about 11 years ago by a pittsburg artist, who found it in California, is refuted by George C. Watson, the well-known writer on horticulture, who says: "No. The honor belongs to a Philadelphian. The poinsettia was introduced to the world about 80 years ago by Robert Buist, the famous seedsman and flower grower, who obtained the first plant through M. Poinsett, then Mexican Minister at Washington.—Philadelphia Record.

The above emphasizes how we, of the present day, forget to credit our wonder-workers of the past. We have interviewed many poinsettia growers in Philadelphia and not a solitary one was aware that it was a Philadelphian who first introduced this plant to the world. Just think of it. There's "we" a blasted foreigner—has put them straight—on things they ought to be proud of. Another thing: whenever you see a ridiculous statement in your daily paper—hit it just as George C. Watson does. That's duty and good citizenship.

Under the Holly.

"This is not the mistletoe,
It is merely holly.
You've no right to kiss me so.
This is not the mistletoe,
That has berries white as snow;
These are red," said Molly.
"This is not the mistletoe,
It is merely holly."

"This must be the mistletoe.
Though it looks like holly.
Though the berry's red," says Joe.
"This must be the mistletoe.
Every berry's blushed to know
'Twas not fair as Molly.
This must be the mistletoe,
Though it looks like holly."

—Tom Daly.

Philadelphia, Pa.—The past year has been the most successful one in the history of Rice & Company, the increase in the volume of business being so great that the present extensive quarters have proven inadequate to properly handle it. Plans have been made for an enlargement of the plant which will greatly increase the facilities of the various departments and enable this progressive house to not only maintain but even improve upon the service for which it is noted. To this end the firm has leased the large three-story building, 120 Camac street, this building being directly back of their present seven-story establishment. The two structures will be connected by bridges, and when alterations are completed Rice & Co. will have the largest floor space of any florists' supply house in the country.

HEADQUARTERS FOR Araucarias, Ferns, Palms, Rubbers, Etc.

Araucaria excelsa, 6-in. pots, 4, 5, 6, 7 tiers, 20 to 35 inches high only 60c., 75c., \$1.00, and \$1.25.

Araucaria robusta compacta and glauca, 6-in. pots, \$1.00, \$1.25, \$1.50.

Rubbers (ficus elastica) 20 to 35 inches high, 5½, 6 and 7-inch pots, 35c., 40c., 50c., 75c. to \$1.00.

Ferns: Boston, Scottii, Whitmani, and Scholzei, 5½, 6 and 7-inch pots, 30c., 40c., 50c., 75c. to \$1.00. **Wisoni** in 6-inch pans, made up of three plants, large, 35c. per pan.

Lantania Borbonica, large, 7-inch, 8 leaves, 30 inches high, 75c. to \$1.00. Made up of three plants, 25 inches high, only 60c.

Asparagus plumosus, 4-inch, 10c.; 3-inch, 5c.; 2½-inch, 3c.

Asparagus Sprengerii, 4-inch, 10c.

Kentia Beluoreana and Forsteriana, 5, 5½ and 6-inch pots, fine value for the money, 50c., 60c., 75c., \$1.00, \$1.25, \$1.50 to \$2.00.

Primula Chinensis, Chinese Primrose, in full bloom, 4 inch, 10c.; 5 inch, \$2.50 per dozen.

Cash with Order, Please

GODFREY ASCHMANN

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of Pot Plants

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Julius Roehrs Co.

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and Hybridists in the World

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and 258 Broadway, Room 721
NEW YORK CITY

CYPRIPEDIUM CAUDATUM

We have received a small importation of this almost extinct orchid and can offer a limited number of same at moderate prices. Write for particulars.

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Bay Trees, Kentias, Azaleas, Valley Pips, Roses, Rhododendrons, Boxwood, Manetti, Evergreens, Jap. Lilies, Raffin, etc., etc.
Nursery stock from France, Holland, England and Japan.

McHutchison & Co. 17 Murray St.
New York, N. Y.

Surplus Sweet Pea Plants

180 C. H. TOTT, 135 LE MARQUIN, 90 GREENBROOK, 90 WM. SIM, 45 SMALLEY—540 TOTAL
Plants are in 2 inch pots. Have been cut back and are in perfect shape for planting out.

Price for the lot \$10, cash
HALIFAX GARDEN CO.
HALIFAX, MASS.

AZALEAS

Six, nine and twelve dollars per dozen.
Pink, white, variegated and red.
Red in small size only.

BEGONIAS.

5 inch 50c; 6 inch 75c; 7 inch \$1.00 each.
Extra fine plants.

CYCLAMEN.

5 inch \$5.00 per dozen. Larger plants \$9.00 and \$12.00 per dozen.

PRIMROSES.

5 inch \$3.00 per dozen.

A FINE LINE OF PYRAMID BOXES FROM \$3.00 TO \$5.00 PER PAIR. ALSO FULL LINE OF PLANTS FOR CHRISTMAS.

JOHN MCKENZIE, North Cambridge, Mass.

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ROSES, PALMS,

and Novelties in Decorative Plants

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THE LATEST SILVER MEDAL ROSE

The new Sargent rose, originated by Jackson Dawson, now offered for the first time for fall 1912 delivery
As this stock is limited book your orders early. \$1.50 each

Other Roses originated by Jackson Dawson:

**LADY DUNCAN, DAWSON, DAYBREAK, FARQUHAR,
WM. EGAN and MINNIE DAWSON**

Write for prices.

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HENRY S. DAWSON, Mgr.**

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**PALMS, BAY TREES, BOXWOOD AND HARDY HERBACEOUS
PLANTS, EVERGREENS, ROSES, RHODODENDRONS
VINES AND CLIMBERS, AUTUMN BULBS
AND ROOTS, CONIFERS, PINES.**

Florists are always welcome visitors to our nurseries. We are only a few minutes from New York City; Carlton Hill Station is the second stop on Main Line of Erie Railroad.

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Nurserymen and Florists

Rutherford, N. J.

HARDY NORTHERN GROWN NURSERY STOCK

WE GROW EVERYTHING FOR PLANTING THE HOME GROUNDS
A GENERAL ASSORTMENT OF

Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc., Etc.

Our Illustrated and descriptive Catalogue for the asking

THE BAY STATE NURSERIES,

North Abington, Mass.

Nursery Stock

Fruit and Ornamental Trees, Shrubs,
Small Fruits, Clematis, Evergreens
and Roses.

Write for Trade List.

W. & T. SMITH COMPANY, Geneva, N. Y.

Box Trees

and other **EVERGREENS** for **Tubs and Boxes**
Our Prices are Always Right—Catalog Free

**THE NEW ENGLAND NURSERIES, Inc.
BEDFORD, MASS.**

FEDERAL NURSERY INSPECTION AND QUARANTINE.

A committee composed of W. P. Stark, Louisiana, Mo., president of the National Nurserymen's Association, and Prof. S. J. Hunter of the University of Kansas, state entomologist, appointed by the Western Association of Nurserymen are in Washington this week, working for desired legislation. The nurserymen desire a national system of inspection and quarantine against injurious scales and insects. The committee, however, will oppose the Simmons Bill for the purpose, now before Congress. The objection to the bill is that it does not carry sufficient appropriation and gives absolute power over the nursery business to Dr. L. O. Howard, entomologist of the Department of Agriculture, who the nurserymen say has been unfair to them.

JOHN T. WITHERS, Inc.

Landscape Architect and Forester

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Tree Renovation by Expert Operators.
Stereopticon lectures on Horticulture and Arboriculture.

HOLLAND NURSERIES

**Best Hardy Rhododendrons,
Azaleas, Conifers, Clematis,
H. P. Roses, Shrubs, and Herba-
ceous Plants.**

**P. OIJWERKERK, 216 Jane St., Westchester Heights,
P. O. No. 1, Hoboken, N. J.**

The Western Association favors the creation of a commission of seven men modeled after that of the state of Kansas to enforce the inspection. The Kansas plan has proven very efficient. On this commission would be two nurserymen selected by the national association of nurserymen, two state entomologists selected by the national association of entomologists and two members selected from the National Pomological Society, these six to be appointed by the President. The seventh would be the chief entomologist of the Department of Agriculture, Doctor Howard.

East Hartford, Conn.—Frank W. Richardson, of F. W. Richardson & Co., florists, 680 Main street, was taken sick Dec. 20 and an operation performed. It is reported that he is as comfortable as could be expected.

Horseshoe Brand Bulbs for immediate shipment

FORMOSUM

6/7	\$10.00	per case.....	350	bulbs
6/8	15.00	" "	370	"
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GIGANTEUM

6/8	\$20.00	per case.....	400	bulbs
7/8	21.00	" "	350	"
7/9	22.50	" "	300	"
8/10	25.00	" "	250	"
9/10	24.00	" "	200	"
10/11	22.50	" "	150	"
11/12	22.00	" "	130	"

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Terms 3 months or 5% for cash with order. Cold Storage deliveries at any time during the season. Fall deliveries of advance orders for Japan Lily Bulbs can be made f. o. b. New York, Pittsburg, Chicago, Cincinnati, Memphis and Toronto. Deliveries in other cities can be made in lots of 250 cases, upwards.

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BULBS**

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John Lewis Childs

Flower - - LONG ISLAND, N. Y.

**Gladioli, Lilies, Iris, Madeira
Vines, Cinnamon Vines**

and other Summer Flowering Bulbs

Send for price lists

E. S. MILLER

Wading River, - - N. Y.

LOECHNER & CO.

**JAPANESE LILIES
LILY OF THE VALLEY PIPS
PALMS, AZALEAS, &c.**

11 Warren Street, New York, N. Y.

Write for quotations

**HERBERT, ATCO, N. J.
DAHLIAS Every Day in the Year**

Price quotations given in the advertisements and reading columns in this paper are for the trade exclusively.

Seed Trade

Northfield, Minn. An interest in the Northfield Seed Co. has been purchased by J. M. Punderson.

"An Autumn Dividend" is the subject set forth on the handsome calendar which the C. Herbert Coy Seed Co. of Valley, Neb., are sending out for 1912. The autumn dividend is an embossed picture in natural colors of Indian corn and pumpkin very expressive and appropriate.

CATALOGUES RECEIVED.

W. E. Kirchhoff Co., Pembroke, N. Y.—Trade List of Gladiolus Bulbs.

George Wittbold Co., Chicago, Ill.—Decorative, stove and bedding plants; wholesale list.

Valdesian Nurseries, Bostic, N. C.—Price list of trees, privets, hardy perennials, small fruits, etc.

Barteldes Seed Co., Denver, Colo. Descriptive List of Barteldes' Western Seeds, 1912. An interesting list of 116 pages. Includes a good line of implements and supplies.

Elmer D. Smith & Company, Adrian, Mich.—Chrysanthemums and Asters, 1912. A wholesale list, filled with useful information in a condensed form and copiously illustrated.

Rustic Manufacturing Co., 150 Nassau St., New York.—Illustrated Catalogue of Rustic Structures, with price list of arbors, tables, window boxes, bird houses, pergolas, etc.

W. Atlee Burpee & Co., Philadelphia, Pa.—Burpee's Annual for 1912. This is the 36th year of this comprehensive catalogue and it is still, as heretofore, "The plain truth about the best seeds that grow."

John Lewis Childs, Flowerfield, N. Y.—Trade Price List of Choice Gladioli and other Summer Flowering Bulbs and Plants, for 1912. Among the varieties illustrated in this list are some of the finest novelties ever introduced.

S. S. Pennock-Meehan Co., Philadelphia, Pa.—New Forcing Roses for 1912. Illustrations of Double White Killarney, Killarney Queen, Lady Hillingdon, Princess de Bulgarie roses and Wodenethe or "White Beauty" carnation are given.

INCORPORATED.

Dansville, N. Y. The Allen-Bailey Tag Co., capital stock \$60,000. Incorporators, J. J. Bailey, S. E. Allen and J. A. Bailey.

St. Louis, Mo. Oak Hill Cemetery Association, capital stock \$50,000. Incorporators, T. R. Pullis, Roderick A. Allen and others.

Rochester, N. Y.—M. Cushman & Co., to grow and deal in seeds, plants and agricultural supplies, capital stock \$30,000. Incorporators, H. B. Hurlaway, W. G. Cushman and M. Cushman of Rochester.

SCALINE.

M. C. Ebel, of the Aphine Manufacturing Company is engaged in experimental work with a new product which his company expects to place on the market very shortly. He has named it "Scaline," the material being a combination of insecticide and fungicide—a composition of oils and sulphur. It is intended for the destroying of the San Jose scale, the cottony maple aphid and other sap-sucking insects inhabiting fruit and ornamental trees, shrubs and hardy plants generally, and at the same time a remedy for the control of the various fungi affecting trees and shrubbery. Mr. Ebel contends that his material can be applied as safely in the growing as in the dormant season, and asserts that tests made last summer on foliage in bloom showed no ill effects from the spray. If "Scaline" will do what is already claimed for it there is no doubt that a broad field is awaiting it.

The Dalles, Ore.—The greenhouses of Dr. William Taelman have been purchased by Randolph Gibson. The plant was established 12 years ago by Dr. Taelman and comprises two houses each 20x50 feet. He has made a specialty of carnations and chrysanthemums.

Price quotations given in the advertisements and reading columns in this paper are for the trade exclusively.

50,000 GLADIOLUS--Mixed WANTED

STATE PRICE AND WHEN YOU CAN
MAKE DELIVERY

WM. ELLIOTT & SONS,
42 Vesey St., New York

SPECIAL TO THE TRADE

We make a specialty of growing all kinds of Vegetable Plants for the Seed and Plant Trade, including the best varieties of Forcing Tomatoes, Asparagus, Cauliflower, Egg Plants, Peppers, Parsley, Lettuce, Cabbage, etc. Special prices made on large orders for Spring delivery. Let us know your wants. We have a fine lot of Tomato Plants, transplanted and potted: Comet, Lordillard, Bonney Best, Suttons' A-1, Suttons' Abundance and Winter Beauty, also Extra Early Erfurt and Snowball Cauliflower. **FOX-HALL FARM, R. F. D. No. 2, Norfolk, Va.**

ONION SETS

HEADQUARTERS FOR THE EAST.
We carry large stocks of choice quality at both our Orange, Conn., and New York City houses. Full line all varieties of Garden and Flower Seeds. Trade List on application.

S. D. WOODRUFF & SONS,
82 Dey Street,
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LETTUCE, Improved Big Boston;
Forcing Lettuce, black seeds, Big Boston; Radish, Scarlet Globe, White Tipped Scarlet Turnip, Beet, Cabbage, Early Flat and Savoy, Celery, Self-Blanching and Green Beet, Spinach, Endive, etc. the same varieties as the market gardeners of Paris use.

BEAULIEU, Woodhaven, N. Y.

MICHELL'S 1912 CATALOG For Florists

JUST OUT

Full of all the good things a florist needs. Not only a trade list but 80 large pages complete with the best the world has produced for the American florist.

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SEEDS, PLANTS, BULBS

All seasonable kinds of best
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Special prices on large lots

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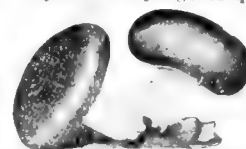
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direct, or transfer, or both, that you may be your own judge of quality.



We will quote most attractive figures to dealers, as well as to large and small growers. Our quality speaks for itself and is guaranteed.

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That everybody will want

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The best introduction in Holiday Plants, for years. A money-maker. Plant dwarf, bushy, 12 to 15 in. high, covered with brilliant scarlet berries, conical shaped and carried well above the dark shining foliage.

Awarded First Class Certificate by Mass. Horticultural Society and Gardeners' and Florists' Club of Boston.

Sow seeds in Jan. or Feb. for next Christmas. Ten packets, \$1.50; 100 pkts., \$12.50.

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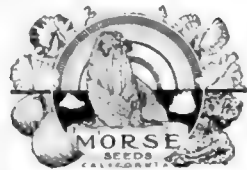
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AMERICAN, bundle 500, \$3.00; 1000, \$5.50.
BAMBOO from Japan, 100, 65c.; 1000, \$5.50.

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NEW SEEDS ARE IN
(Less 10 per cent. if cash is sent with order.)

Asparagus Plumosus Nanus, greenhouse grown, \$4.00 per 1000 seeds
Salvia Bonfire, 25c. Ir. Pat. \$2.00 oz
" Splendens, 15c. " " \$1.50 "
Verbena Mam. choice mixed 15c. " " \$1.50 "

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3097 Broadway, NEW YORK, N. Y.

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Fruitmen, Horticulturists and Poultrymen should get their printing done by specialists. Write for prices to THE REX CO., Harrisburg, Pa.



FRESH CROP ASPARAGUS PLUMOSUS NANUS SEED

(Greenhouse grown.) Due in December. We are now booking orders for both greenhouse and outside grown Asparagus Plumosus Seed. Write us.

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Blue List of Wholesale Prices mailed only to those who plant for profit.

HIGH GRADE SEASONABLE FLORISTS
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Price list free on request

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CHINESE SHRUBS and VINES

Do not fail to procure a copy of our *Illustrated Catalogue* which contains many choice varieties offered for the first time. Catalogue ready Jan. 1st.

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Our new wholesale catalogue for Market Gardeners and Florists for 1912 will be ready early in January. Register your name for a copy now.

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**Artistic Designs . . .
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We ship to all points in Illinois and Iowa.

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All Orders Given Prompt and Careful Attention

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Will carefully execute orders for Kansas City and any town in Missouri or Kansas.



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"THE HOME OF FLOWERS"

The largest cut flower store in America. Orders for the TWIN CITIES and for all Northwestern points given prompt attention.

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ST. PAUL, MINN.

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Of Interest to Retail Florists

In Penn's show window on Bromfield street, Boston, a splendid vase of the new rose Belle Baltimore is displayed and attracts much admiring attention.

The R. & S. Flower Store, Missoula, Montana, had a brilliant formal opening on Thursday evening, December 21st, from 7 to 9 o'clock. Souvenirs were distributed to the visitors and the affair was a great success.

STEAMER DEPARTURES

Allan.	
Lake Erie, Boston-Glasgow...	Jan. 4
Atlantic Transport.	
Minneapolis, N. Y.-London...	Jan. 6
Cunard.	
Campania, N. Y.-Liverpool...	Jan. 3
Caronia, N. Y.-Mediterranean...	Jan. 6
Hamburg-American.	
Amerika, N. Y.-Hamburg...	Jan. 6
Holland-America.	
Ryndam, N. Y.-Rotterdam...	Jan. 2
Potsdam, N. Y.-Rotterdam...	Jan. 9
Leyland.	
Devonian, Boston-Liverpool...	Jan. 6
North German Lloyd.	
Kripin Cecille, N. Y.-Bremen...	Jan. 4
Barbarossa, N. Y.-Bremen...	Jan. 11
Red Star.	
Finland, N. Y.-Antwerp...	Jan. 3
Vaderland, N. Y.-Antwerp...	Jan. 10
White Star.	
Oceanic, N. Y.-Southampton...	Jan. 6
Adriatic, N. Y.-Mediterranean...	Jan. 10

NEW FLOWER STORES.

Englewood, N. J.—E. G. Burrows.
Peekskill, N. Y.—Mrs. J. D. Sherman.

Bridgeton, N. J.—Theodore E. Edwards.

Danbury, Conn.—Edwin E. Mathewson, West street.

Peekskill, N. Y.—J. H. Rushford, 900 South street.

Rutland, Vt.—The Flower Shop, Cottage and West streets.

Ventura, Calif.—Mrs. E. E. Paquette, 1118 Poli street.

Crawfordsville, Ind.—A. S. Pett, Main and Walnut streets.

Philadelphia, Pa.—Union Flower Shop, 2734 Ridge avenue; Columbia Flower Shop, 2634 West Lehigh avenue; George Haas, 2902 Germantown avenue.

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LITTLE FLOWER SHOP AROUND THE CORNER

Flower Deliveries at Reasonable Prices

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Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

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Deliver orders from any part of the country to

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Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph and Cable address, Dardas.

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In Brooklyn and other Long Island Points, New York City, New Jersey, etc. At Theatres, Hotels, Steamers or Residences.

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Fulton St. and Greene Ave., Brooklyn, N. Y.

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S. A. ANDERSON

440 MAIN STREET

Special Deliveries Niagara Falls and Lockport

THE ROSERY

76 MAIDEN LANE

ALBANY, N. Y.

FLOWER DELIVERIES FOR ALBANY AND VICINITY

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

LOUISVILLE, KY.

JACOB SCHULZ,

550 South Fourth Ave.

Member Florists' Telegraph Delivery.



Less Ice With Better Results

The McCray System of Refrigeration, which insures a perfect circulation of cool, dry air, will not only reduce your ice bills, but will keep your stock in the best condition—fresh, fragrant and attractive.

McCray Refrigerators

Are made so as to display your flowers to the best advantage. They can be lined with white enamel, opal glass, tile, mirrors or marble to suit your convenience. Write for our beautiful Free Catalog No. 72, which shows refrigerators for florists, both stock and built-to-order, in all sizes and styles.

McCray Refrigerator Co.

353 LAKE STREET

KENDALLVILLE, IND.

Display Your Attractions for the Busy Winter Season

The prospective buyers are out and about. Have the goods ready to show them. We have an endless line of Novelties for the Floral Trade. Fix up your window with our natural prepared beech sprays, statice and similar material that never dries up and needs no attention or renewal. *Write now for illustrated book, "The Silent Salesman." "Nuff said."*

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"Penn. The Telegraph Florist"
Member of Florists' Telegraph Delivery
37-43 BROMFIELD STREET

**NEW ENGLAND
FLOWER DELIVERIES**

Send flower orders for delivery in Boston
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Your orders for flower or plant delivery
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BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
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194 Boylston Street, Boston

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Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edw. MacMulkin, 194 Boylston St.
Boston—Penn. the Florist, 37-43 Bromfield St.

Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.

Buffalo, N. Y.—Palmer's 304 Main St.
Buffalo, N. Y.—S.A. Anderson, 440 Main St.
Chicago—Williams J. Smyth, Michigan Ave. and 31st St.

Denver, Col.—Park Floral Co., 1643 B'way.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.

Kansas City, Mo.—Samuel Murray, 912 Grand Ave.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.

Indianapolis, Ind.—Florists' Telegraph Deliveries, 241 Massachusetts Ave.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.

New Haven, Conn.—J. N. Champion & Co., 1026 Chapel St.
New York—David Clarke's Sons, 2139-2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.
New York—Young & Nugent, 42 W. 28th St.

New York—Dards, N. E. cor. 44th St. and Madison Ave.
New York—Linsdale's Little Flower Shop, 130 E. 34th St.

St. Paul, Minn.—Holm & Olson.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.

Washington, D. C.—Gude Bros., 1214 F St.
Wellesley, Mass.—Tailby.

Worcester, Mass.—Littlefield, 407-409 Main St.
Worcester, Mass.—H. F. A. Lange.

Raleigh, N. C.—The business of C. A. Lyle & Co. has been taken over by The Raleigh Floral Co.

YALE And All
Connecticut
Points

FLOWER AND PLANT DELIVERIES

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1026 Chapel Street NEW HAVEN, CONN.

The Far-Famed Flowers of

TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

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WORCESTER, - MASS.

Delivers to all Points in New England.
125,000 square feet of glass.

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Base Hall, Walnut Hill and Rockridge Hall
Schools. **TAILBY**, Wellesley, Mass.
Tel. Wellesley 44-1 and 6. Night 44-3

QUALITY AND QUANTITY BEAUTIES RICHMOND KILLARNEY

On account of our large supply we can quote you very attractive prices on roses. When in the market let us quote you.

Boxwood, per case, \$7.50
Bronze Galax, per case, \$7.50

The Leo Niessen Co.
WHOLESALE FLORISTS
N. W. Corner
12th and Race Sts., **PHILADELPHIA**

To Cut Flower Growers and Retail Florists

IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

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FOR THOSE
FLORIST'S MADE
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Boston Florist Letter Co

66 PEARL ST., BOSTON

N. F. McCarthy, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock.

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	BOSTON Dec. 28		CHICAGO Dec. 26		ST. LOUIS Dec. 26		PHILA. Dec. 26	
Ave. Beauty, Fancy and Special..	60.00	to 75.00	60.00	to 75.00	75.00	to 100.00	75.00	to 100.00
" Extra.....	40.00	to 50.00	50.00	to 60.00	50.00	to 65.00	50.00	to 60.00
" No. 1.....	15.00	to 25.00	30.00	to 50.00	35.00	to 40.00	40.00	to 50.00
" Lower grades.....	6.00	to 10.00	20.00	to 30.00	10.00	to 25.00	18.00	to 35.00
Richmond, Chateaux, Fancy & Spl..	15.00	to 25.00	15.00	to 20.00	15.00	to 20.00	20.00	to 30.00
" Lower grades.....	6.00	to 12.00	6.00	to 12.00	6.00	to 10.00	6.00	to 15.00
Killarney, Maryland, Fan. & Spl..	12.00	to 16.00	12.00	to 15.00	15.00	to 20.00	12.00	to 15.00
" Low. grades.....	6.00	to 10.00	4.00	to 10.00	6.00	to 10.00	5.00	to 10.00
Bride, 'Maid,.....	2.00	to 6.00	4.00	to 10.00	8.00	to 12.00	5.00	to 10.00
Taft, Hillingdon, Ward.....	8.00	to 20.00	.....	to .....	.....	to	8.00	to 25.00
CARNATIONS, First Quality.....	4.00	to 5.00	5.00	to 7.00	6.00	to 8.00	8.00	to 15.00
" Ordinary.....	2.00	to 3.00	4.00	to 5.00	3.00	to 5.00	4.00	to 6.00
MISCELLANEOUS								
Callias.....	50.00	to 75.00	50.00	to 60.00	50.00	to 60.00	50.00	to 75.00
Callas.....	8.00	to 12.00	10.00	to 12.00	10.00	to 15.00	15.00	to 20.00
Lilies, Longiflorum.....	6.00	to 10.00	10.00	to 12.50	10.00	to 15.00	.....	to 15.00
Lily of the Valley.....	2.00	to 3.00	3.00	to 5.00	4.00	to 5.00	2.00	to 4.00
Narciss., Paper White.....	1.00	to 1.50	1.00	to 2.00	3.00	to 4.00	1.50	to 3.00
Daffodils.....	.....	to .....	.....	to .....	.....	to	5.00	to 6.00
Roman Hyacinths.....	1.00	to 1.50	2.00	to 3.00	3.00	to 4.00	1.50	to 3.00
Violets.....	.75	to 1.00	1.00	to 1.50	.75	to 1.50	.35	to 1.50
Stevia.....	.....	to 1.00	1.00	to 2.00	2.00	to 3.00	1.50	to 3.00
Mignonette.....	2.00	to 4.00	4.00	to 8.00	4.00	to 6.00	4.00	to 8.00
Sweet Peas.....	.50	to .75	.75	to 1.50	.75	to 1.50	.75	to 1.50
Gardenias.....	25.00	to 35.00	50.00	to 60.00	.....	to	15.00	to 40.00
Adiantum.....	1.00	to 1.25	.....	to 1.00	1.00	to 1.25	1.00	to 1.50
Smilax.....	12.00	to 15.00	12.00	to 15.00	12.50	to 15.00	15.00	to 20.00
Asparagus Plumosus, strings (100)	.....	to 50.00	40.00	to 60.00	35.00	to 50.00	35.00	to 50.00
" " & Soren. (100 bchs)	25.00	to 50.00	25.00	to 50.00	17.00	to 25.00	35.00	to 50.00

J.A. BUDLONG

82-84-86 E. Randolph St., Chicago

**OUR STOCK IS A-1 AND IT IS QUALITY NOT
PRICES THAT TALKS**

Chicago Flower Growers' Association

Wholesale Growers of Cut Flowers and Plants

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HENRY M. ROBINSON & CO.

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Everything in Flowers
Complete Stock of Florists' Greens,
Three Floors of Florists' Supplies.

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000... \$1.75; 50,000... \$7.50. Sample free.
For sale by dealers

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MANUFACTURERS
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POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

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24 Stone St., Rochester, N.Y.

The J. M. McCullough's Sons Co.

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Special attention to shipping orders. Jobbers of Florists' Supplies, Seeds and Bulbs. Price list on application.

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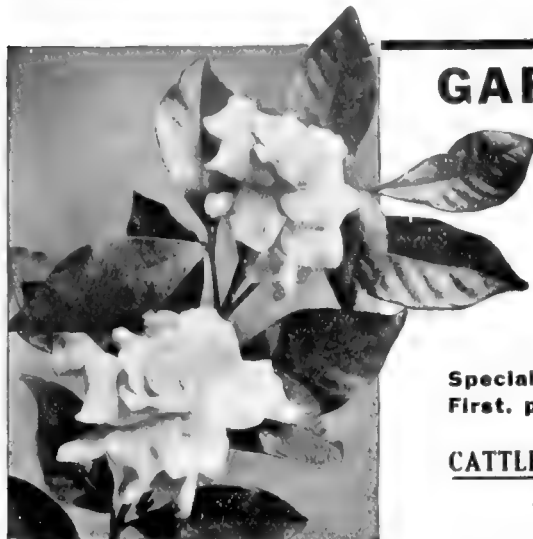
Flower Market Reports

BOSTON

Christmas experience varied somewhat in this market. To most of those interested it was a great and glorious occasion when goods sold themselves and buyers were hungry, far and near. To those, however, whose principal stock in trade was white carnations, lily of the valley, longiflorum lilies, paper white narcissi or Roman hyacinths the occasion was not all one sweet song and when it happened that the owner of such goods had withheld them from market until Saturday morning the music must have been indeed mournful. But, the growers of white goods will have their innings in due time and no doubt things will even up fairly in the long run. The white goods above named dragged badly and in addition there was a disappointing reluctance in the double violet sales. Each year sees the single violet get a stronger lead over the double and it is now a fact that the once popular Marie Louise would scarcely be missed if eliminated from the New England trade entirely. One wholesaler asserts that he could have used without effort 10,000 more Beacon carnations than were to be obtained and many more Richmond roses. Indeed, the rose market was very brisk—white sorts alone excepted. In plants, the business done was in excess of any previous record. Everything sold out with the exception of azaleas and a few poinsettias of poor quality. Azaleas were evidently in rather too abundant supply, although they were mainly of the red sorts, and quite a few were left unsold. As a contrast to previous years, Lorraine begonias sold splendidly, owing probably to the lower prices quoted this season. Ardisias were the best sellers in the entire list. Greens sold well but there was far too much boxwood on hand and some dealers have a good supply left for the balance of the season. Very little domestic mistletoe was in evidence but there was plenty of the imported and it was of remarkably fine quality.

CHICAGO

Last week verified the old saying that, "All's well that ends well." The last week before Christmas opened very quietly and many were doubtful of the Christmas sales being up to an average year, but the latter part of the week brought a rush of business, the equal of which has not been seen by some of the oldest in the business. Wholesaler and retailer alike are pleased with the business done and the last week of 1911 opens with prices almost as high as on any day of the past week, while stock is inclined to be short, carnations especially. No decline in prices is expected until after the New Year. White flowers are a little more in evidence and are needed for the extra funeral work coming at this time. Violets are plentiful enough for the demand while sweet peas are coming about as fast as needed. Paper white narcissi and Roman hyacinths have not moved particularly well all the season, lily of the valley taking the lead with white flowers. Chrysanthemums are of the past and Christmas greens are following, leaving the standbys, carnations and roses, to supply



GARDENIAS

As a midwinter flower nothing is more appreciated than the Gardenia, with its purity and fragrance. A fine crop of the very best quality flowers.

Special, per doz. . . . \$4.00
First, per doz. 3.00

CATTLEYS

Special, per doz. \$7.50
Extra, per doz. 5.00

VALLEY

Special, per 100 \$4.00 Extra, per 100 \$3.00

Distributing Agents for the great New Roses for 1912.

DOUBLE WHITE KILLARNEY and KILLARNEY QUEEN (The Budlong Strain)—Grafted, \$250.00 per 1,000. Own Root, \$200.00 per 1,000.

SUNBURST—Grafted, \$35.00 per 100; \$300.00 per 1,000. Own Root, \$30.00 per 100; \$250.00 per 1,000.

RIBBONS AND SUPPLIES—Many new patterns in exclusive ribbons. Write us for prices on these and on supplies.

S. S. PENNOCK-MEEHAN CO.

THE WHOLESALE FLORISTS OF PHILADELPHIA

NEW YORK
109 W. 28th Street

PHILADELPHIA
1608-1620 Ludlow Street

WASHINGTON
1212 New York Ave.

WHOLESALE FLOWER MARKETS.—TRADE PRICES—Per 100 TO DEALERS ONLY

	CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
	Dec. 12		Dec. 12		Dec. 23		Dec. 26	
ROSES								
Am. Beauty, Fan, and Sp.	40.00	to 50.00	.....	to 100.00	75.00	to 100.00	50.00	to 60.00
" Extra	30.00	to 40.00	.....	to 85.00	40.00	to 50.00	30.00	to 40.00
" No. 1	20.00	to 30.00	.....	to 75.00	25.00	to 30.00	15.00	to 20.00
" Lower grades	8.00	to 15.00	25.00	to 50.00	8.00	to 12.00	6.00	to 10.00
Richmond, Chateaux, Fan, & Spl.	12.00	to 15.00	15.00	to 25.00	15.00	to 20.00	12.00	to 20.00
" Lower Grades	4.00	to 10.00	8.00	to 15.00	6.00	to 10.00	6.00	to 10.00
Killarney, Maryland, Fan, & Spl.	12.00	to 15.00	15.00	to 25.00	15.00	to 20.00	8.00	to 12.00
" Low. Grades	4.00	to 10.00	8.00	to 15.00	6.00	to 10.00	4.00	to 6.00
Hyde "Maid"	4.00	to 10.00	8.00	to 20.00	6.00	to 15.00	.....	to 10.00
Taft, Hillingdon, Ward	3.00	to 8.00	4.00	to 8.00	15.00	to 20.00	4.00	to 12.00
CARNATIONS, First Quality	3.00	to 4.00	8.00	to 10.00	6.00	to 8.00	4.00	to 5.00
Ordinary	2.00	to 3.00	5.00	to 8.00	3.00	to 6.00	2.00	to 3.00
MISCELLANEOUS								
Cattleyas	40.00	to 50.00	.....	to 75.00	.....	to 100.00	65.00	to 75.00
Callas	8.00	to 10.00	3.00	to 5.00	10.00	to 12.00	.....	to 10.00
Lilacs, Longiflorum	10.00	to 12.50	.....	to 15.00	10.00	to 12.00	.....	to 10.00
Lily of the Valley	3.00	to 4.00	3.00	to 4.00	3.00	to 5.00	3.00	to 4.00
Narciss., Paper White	.....	to 3.00	3.00	to 4.00	.....	to 3.00	.....	to 3.00
" Daffodils	.....	to 4.00	.....	to 4.00	.....	to 4.00	4.00	to 5.00
Roman Hyacinths	.....	to 4.00	.....	to 4.00	3.00	to 4.00	.....	to 4.00
Violets	75	to 1.00	1.50	to 2.00	1.00	to 2.00	.75	to 1.25
Stevia	.....	to 1.50	1.50	to 2.00	1.00	to 1.25	1.00	to 1.50
Mignonette	.....	to 4.00	4.00	to 8.00	3.00	to 5.00	3.00	to 4.00
Sweet Peas	.....	to 1.00	1.00	to 1.50	1.00	to 1.50	.75	to 1.25
Gardenias	.....	to 1.00	.....	to 1.00	50.00	to 75.00	.....	to 1.00
Adiantum	.....	to 1.00	1.00	to 1.50	1.00	to 1.50	.....	to 1.25
Smilax	12.50	to 15.00	.....	to 15.00	.....	to 15.00	.....	to 15.00
Asparagus Plumosus, strings (100)	40.00	to 50.00	25.00	to 50.00	40.00	to 60.00	30.00	to 50.00
" " " " "	20.00	to 25.00	25.00	to 50.00	25.00	to 35.00	20.00	to 30.00

the bulk of trade and at prices satisfactory to the grower. Advance quotations had been rather high and it was a question if they would hold to the end of the week, especially as the

tendency to hold back stock was evident early in the week, but prices held up steadily and Christmas day found the only stock slow to move

(Continued on page 947)

M. C. FORD
 Successor to
FORD BROTHERS
 121 West 28th Street NEW YORK
FINE ROSES. FANCY CARNATIONS
 A Full Line of All CUT FLOWERS.
 Telephone, 3870 or 3871 Madison Square

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 Wholesale Commission Florist,
 Choice Cut Flowers,
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 Telephones: 2200, 2201, Madison Square.

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 All choice cut-flowers in season. Send
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 45 W. 28 Street, NEW YORK
 Call and Inspect the Best Establishment
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Wholesale Florists
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 Coogan Building, 55-57 West 26th Street
 NEW YORK CITY
 Telephone 2821 Madison Square Open from 9 a. m. to 8 p. m.

THE KERVAN COMPANY
 Fresh Cut Evergreens, Mosses,
 Southern Smilax, Galax and Leucothoe.
 Preserved and Fresh Cut
 Cycas and Palmetto.
 Tel. 1519 5893 Mad. Sq. 113 W. 28 St., New York.

REED & KELLER
 122 West 25th St., New York
Florists' Supplies
 We manufacture all our
 Metal Designs, Baskets, Wire Work & Novelties
 and are dealers in
 Decorative Glassware Greens and Florists' Requisites

P. J. SMITH
 Successor to JOHN I. RAYNOR
Wholesale Commission Florist **SELLING AGENT FOR**
LARGEST GROWERS
 A full line of Choice Cut Flower Stock for all purposes. The HOME OF THE LILY
 by the 100, 1000 or 10,000
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CHOICE CUT FLOWERS
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 To decide on your Commission Man. Begin the season right by shipping your
 product to the OLD, RELIABLE ESTABLISHMENT.
 OPEN EVERY MORNING AT 6 O'CLOCK.
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HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
 THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
 GARDENIAS, DAISIES, ROSES AND CARNATIONS
JAMES McMANUS, Tel. 759 Mad. Sq. 55 W. 28th St., New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Dec. 23 1911		First Half of Week beginning Dec. 25 1911	
American Beauty, Fancy and Special.....	75.00	to 100.00	40.00	to 75.00
" " Extra.....	40.00	to 60.00	20.00	to 35.00
" " No. 1.....	80.00	to 100.00	10.00	to 15.00
" " Lower Grades.....	0.00	to 10.00	4.00	to 8.00
Richmond, Chatsenay, Extra and Special.....	10.00	to 35.00	15.00	to 25.00
" " Lower Grades.....	4.00	to 8.00	3.00	to 10.00
Killarney, My Maryland, Extra and Special.....	8.00	to 20.00	10.00	to 20.00
" " Lower Grades.....	4.00	to 8.00	3.00	to 6.00
Bride's Maid.....	4.00	to 8.00	4.00	to 15.00
Taft, Hillingdon, Ward.....	8.00	to 30.00	6.00	to 30.00
Carnations, First Quality.....	4.00	to 12.00	5.00	to 8.00
" " Ordinary.....	3.00	to 3.00	2.00	to 4.00

BADGLEY, RIEDEL & MEYER, Inc.
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34 West 28th Street, New York
 Telephones { 1864 { Madison Square
 { 1865 {
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 Telephone 7063 Madison

Telephone 3860 Madison Square
WOODROW & MARKETOS
WHOLESALE
Plantsmen and Florists
 41 West 28th Street, NEW YORK

A. L. YOUNG & CO.
WHOLESALE FLORISTS
Choice Cut Flowers
 & CONSIGNMENTS SOLICITED
 54 West 28th St., NEW YORK
 Prompt Payments. Telephone 3550 Madison Sq

FRANK MILLANG
Wholesale Florist
 55-57 West 26th St., NEW YORK
 Shipments, any quantity, Whole-
 sale Market Rates.

ROBERT J. DYSART
 Public Accountant and Auditor
 Simple methods of correct accounting
 especially adapted for florists' use.
Books Balanced and Adjusted
 Merchants Bank Building
 28 STATE ST. - - - BOSTON
 Telephone, Main 58.



MICHIGAN CUT FLOWER EXCHANGE, Inc.
 WHOLESALE COMMISSION FLORISTS
 Consignments Solicited
Hardy Fancy Fern Our Specialty
 38-40 BROADWAY, DETROIT, MICH

WILLIAM H. KUEBLER
 Brooklyn's Foremost and Best
WHOLESALE COMMISSION HOUSE
 A First Class Market for all CUT FLOWERS
 28 Willoughby St., Brooklyn, N. Y.
 Tel. 4591 Main

WILLIAM F. KASTING Co.
 Wholesale Florists
 383-387 ELLICOTT ST. - - BUFFALO, N. Y.

Flower Market Reports

(Continued from page 945)

was white carnations and white roses. Even these were sold at fair prices, considering the stock. American Beauties were scarce as had been anticipated, all other stock being abundant. As one dealer remarked, "It was not scarcity of stock, but abundance of buyers that kept prices up." Carnations were picked so close to meet demand that at this writing (December 26), they are selling for \$6.00 and \$7.00 a hundred. All in all, it was a record-breaking Christmas week, exceeding all expectations.

The market is easy
CINCINNATI after the Christmas rush. Usually on the 26th the buyers are "up against it." This year, however, the supply was easily adequate and promises to be so for the balance of the week. Still the successive rainy dark days make prognostications as to the availability of a certain flower or stock in general more or less uncertain. Everyone says that Christmas business was very satisfactory. Red was in most demand and outside of poinsettias the quantity of no other flower of this color was sufficient. White tended to drag and trail after its colored brethren. Narcissus did not move near as fast as in past years in spite of the general good quality of the supply offered. All roses cleaned up. American Beauties are in short supply and promise to continue so for a fortnight at least. Killarney cleans up quickly each day. The offerings of Bride and Ivory are large and of good quality. Among the carnations dark stock, in red and rose pink shades scarcely filled the requirement, and even now clean up as fast as they arrive. Enchantress, too, moves well but some white, however, were left over at the close of Christmas business. Lilies of quality are good property while the seconds find a slow market. Callas are selling well. Violets did not quite clean up entirely.

The market for
NEW YORK Christmas was well supplied with everything in seasonable cut flower stock. With the exception of the inevitable holiday demand for red carnations and red roses and the corresponding advantage to any other flower approaching this color there was an abundance of every variety and grade to suit the buyer and prices were fairly satisfactory to all parties concerned; although moderate on some lines as compared with previous similar occasions.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Dec. 23 1911		First Half of Week beginning Dec. 25 1911	
Cattleyas	30.00	to 75.00	20.00	to 60.00
Dendrobium formosum	30.00	to 40.00	30.00	to 40.00
Phaenopsis	20.00	to 25.00	20.00	to 25.00
Lilies, Longiflorum	4.00	to 8.00	5.00	to 8.00
Callas	10.00	to 12.00	10.00	to 12.00
Lily of the Valley	1.00	to 4.00	2.00	to 4.00
Narcis, Paper White	1.00	to 1.50	1.00	to 1.50
Roman Hyacinths.....	.50	to 1.00	.25	to 1.00
Chrysanthemums.....	.....	.....	.....	.....
Violets.....	.40	to 1.00	.40	to 1.00
Stevia	1.00	to 1.50	.75	to 1.00
Mignonette	2.00	to 6.00	3.00	to 6.00
Daisies	1.00	to 1.50	1.00	to 1.50
Sweet Peas	4.00	to 6.00	4.00	to 6.00
Gardenias	15.00	to 75.00	15.00	to 75.00
Adiantum.....	.75	to 1.00	.75	to 1.00
Smilax	8.00	to 12.00	8.00	to 12.00
Asparagus Plumosus, strigatus.....	.....	35.00	.....	35.00
" " & Spreng. (too bchs).....	15.00	to 25.00	15.00	to 25.00

Weather conditions suited the trade exactly. It will be many years in all probability before a situation equally satisfactory to all interests will present itself. It had been expected that there would be, as in the past, an unwieldy glut of violets but this was not so. The quality, however, was not up to expectations. The plant trade took care of itself nicely. The growers were all cleaned out well in advance and the retailers made a splendid record in this department, there being almost nothing left as a reminder of Christmas on the morning of the 26th except empty shelves and stands. This week finds the market in healthy shape, supply not heavy, quality good, prices steady and the weather outlook good for a continuance of these conditions for a week at least.

The Christmas cut
PHILADELPHIA flower market here was very good, and we think we can safely say that it was considerably larger in volume than last year. This applies not only to local trade but also to shipments to interior points—indicating that the cut flower business in general held its own and more, not only here but in our smaller tributary cities and towns. The general disposition was to make prices a little lower than last year, rather than to insist on higher prices and take chances—so that perhaps the actual cash returns were probably no larger than last year; but a much larger quantity of stock was moved.

Roses went over well indeed and everything fit was cleaned right. Pink Killarney was good as to size but a little off as to color on the early shipments due not to holding but to the cloudy weather, but the later arrivals were good. Richmonds were excep-

tionally good. Beauties also were very good and sold well although at slightly lower figures than last year. The demand for white roses although not extra was enough to take care of all the stock that arrived. Carnations sold exceptionally well. The quality was probably the best ever seen here at Christmas and the prices realized were satisfactory. Beacon was of course the leader in the favorite red section and much of the stock brought as high as fifteen while very few reds of any variety brought less than ten. Orchids were a little more plenty this

(Continued on page 952)

FLORISTS' HARDY SUPPLIES

Dagger and Fancy Ferns, Moss,
 Galax, Laurel Roping, Southern
 Smilax, Boxwood, Etc.

Hartford & McDonough
 70 PEMBERTON SQ., BOSTON

IN THE SWIM

*I must be in the swim,
 You might forget my name,
 And say that I am in a flame,
 If you do not get the best.*

Spruce or Balsam trees, from one foot to thirty. In any quantity; Baled Spruce, and Balsam, Hemlock Boughs, Laurel and Evergreen Festooning and Wreaths, Sphagnum Moss, Hardy Cut Fancy and Dagger Ferns. Yearly Contracts Made. Send for Price List. GET THE BEST.

H. J. SMITH, Hinsdale, Mass.

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Ampelopsis Veltchii, 1-yr. plants, \$3.00 per 100; \$25.00 per 1000.
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Asparagus Plumosus, extra fine 8-lbch stuff, \$5.00 per 100, \$45.00 per 1000. P. Riehl, Downers Grove, Ill.

Asparagus plumosus seedlings, clumps, sprays and seeds. Write for prices. Peter Mack, Orlando, Fla.

Asparagus plumosus, 2 1/4-in. pots, \$3.00 per 100; \$25.00 per 1000. Asparagus Sprenger, 2-in. pots, \$2.00 per 100; 4-in. pots, heavy, \$10.00 per 100.

Storrs & Harrison Co., Painesville, Ohio.

Asparagus plumosus, extra strong healthy stock ready for shift, 2 1/4-in., \$2.50 per 100, \$22.00 per 1000; 3-in., \$5.00 per 100.

Asparagus Sprenger, strong plants ready for shift, 2 1/4-in., \$2.00 per 100, \$17.00 per 1000; 3-in., \$3.00 per 100. Strong seedlings, \$1.00 per 100. Cash, please.

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Bay Trees and Box Trees, all sizes
Write for special List
Julius Roehrs Co., - - Rutherford, N. J.

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Lorraine Begonias.
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Horseshoe Brand.
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Summer Flowering Bulbs.
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Gladolus, Lilies, Iris, Etc.
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Wanted: 50 or 100 Calceolaria hybr. Plants. Mor. Anderson, Glendora, Riverdale on Hudson, N. Y.

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The Improved Canna—64 varieties, including Mrs. A. F. Conard and the finest new ones. Send for price list. The Conard & Jones Co., West Grove, Pa.

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Chicago Carnation Co., Joliet, Ill.
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Peter Fisher, Mills, Mass.
New Carnation "Bendora."
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CARNATION STAPLE

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 2000 for \$1.00 post paid. I. L. Pillsbury, Galeburg, Ill.

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Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Chrysanthemums, rooted cuttings, Monrovia, Polly Rose, \$12.00 per 100. Violets, Princess of Wales, \$6.00 per 100; \$50.00 per 1000. Chas. Lenker, Freeport, L. I., N. Y.

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John McKenzie, North Cambridge, Mass.
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Cyclamen—Best Varieties in different colors, 3 inch pots, strong plants, \$10.00 per 100, \$80.00 per 1000. Julius Roehrs Company, Rutheford, N. J.

Giant cyclamen, our own grown strain, selected from the very best and well built plants and flowers. Seed, \$1.00 per 100, \$6.00 per 1000; nearly all sold out. August seedlings, \$2.00 per 100; \$18.00 per 1000. Plants, well set with buds, 4-in., \$18.00 and \$25.00 per 100. Orders amounting to \$25.00, 10 per cent. off. Here is one of the many letters we received from satisfied customers: E. A. Butler & Son, Niagara Falls, N. Y., say, "The plants are excellent, the finest we have ever had and, if the seed this year is of the same quality, we will be perfectly satisfied." Our aim has been to, and we have, improved our strain every season. Cultural directions with every order. C. Winterlich, Cyclamen Specialist, Defiance, O.

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Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

EAST BRIDGEWATER DAHLIA FARMS.

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Ferns for Dishes.

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Anderson's ferns for in and outdoors.
Largest commercial collection in the country.
Ask for descriptive catalogue. J. F.
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Scott's Ferns in 5-in. pots (good stock) at
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ROOSEVELT FERN as a Winner. 2½
in. at \$2.00 per doz, \$15.00 per 100; 3 in.
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Boston Ferns—6-inch pots, 45c. each,
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each, \$15.00 per 100; 5-inch, 30c. each,
\$25.00 per 100; 6-inch, 45c. each, \$40.00 per
100; 7-inch, 60c. each, \$55.00 per 100; 8-inch,
75c. each, \$70.00 per 100. *Ficus Elastica*,
85c., 50c. and 75c. each. Cash please.
Queen City Floral Co., Manchester, N. H.

Fern dish ferns. Heavy 2½-in. pot plants,
\$3.00 per 100; \$25.00 per 1000. Boston ferns,
6-in. pots, \$25.00 per 100; 6-in., \$40.00 per
100.

Storrs & Harrison Co., Painesville, Ohio.

Boston ferns, first-class stock, for 5, 6,
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Any quantity; 7000 to choose from. Cash.
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Genista racemosa, 6-in. pot plants, \$25.00
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Geraniums, standard varieties, 2½-inch.,
\$2.50 per 100, \$22.50 per 1000; or will ex-
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Geraniums. Lecadre, Mosnay, Roseleur,
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Vincent, Bisquit, 2-in., \$3.00 per 100; \$25.00
per 1000. Cash. Send for geranium cata-
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Gladiolus Wanted.

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European Gladiolus Seed from one of
the largest collections, 1000 seeds in original
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Yonell, 538 Cedar St., Syracuse, N. Y.,
Agent for U. S. and Canada.

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Gold fish, aquarium plants, snails, cas-
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Foley Mfg. Co., Chicago.

Pecky Cypress for Benches.

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B. Jacobs & Sons, 1359-63 Flushing Ave.,
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Designer and Builder.

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King Channel Gutters.

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28 and 40 Broadway, Detroit, Mich.
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Lord & Burnham Co., 1133 Broadway, N. Y.

HYDRANGEAS

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Hydrangea Otaksa, fine pot grown stock,
4-in., 2 to 3 shoots, \$15.00 per 100; 5-in., 3
to 3 shoots, \$20.00 per 100; 6-in., 3 to 3
shoots, \$25.00 per 100.

Hydrangea Otaksa, field-grown. Extra
specimens for large tubs, 12 to 15 shoots,
\$1.00 each.

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Improved Variety Melvini.

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LANDSCAPE GARDENING COURSE.

Home Correspondence School, Springfield,
Mass., Dept. 8.

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LILIUM HARRISII

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LILIUM MULTIFLORUM AND GIGANTEUM

R. M. Ward & Co., New York, N. Y.
Horne Shoe Brand.

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LILY OF THE VALLEY PIPS

Lochner & Co., New York, N. Y.
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MASTICA

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GREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00 by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

Azaleas, Berberis, Deutzias, Forsythias,
Hydrangeas, Philadelphus, Viburnums,
Privet, Spirea, Weigela. Write for price
list. The Conard & Jones Co., West
Grove, Pa.

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Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
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Orchids—largest stock in the country.
Stove plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.

Edward V. Low, late of Hugh Low &
Co., dissolved, Vale Bridge, Haywards
Heath, England. "White" Cattleyas and
Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Wil-
liams. 300 illustrations, 800 pages; descrip-
tions of upwards of 2500 species and varie-
ties of orchidaceous plants, etc. The most
complete work on Orchids and orchid cul-
ture ever published. Price \$10.00. Orders
filled by HORTICULTURE, 11 Hamilton
Place, Boston

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PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4;
2 in., \$3. Shipped flat, low freight rates.
Crosby & Son, Catonsville, Baltimore, Md.

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PEONIES

"Fragrans," late dark pink, large divi-
sions, \$6.00 per 100, \$50.00 per 1000. Chas.
Lenker, Freeport, L. I., N. Y.

PLANT STAKES

Seele's Treeless Plant Stakes and Trellises.
H. D. Seele & Sons, Elkhart, Ind.

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"Riverton Special."

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POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp.
\$1.25 by mail. I. N. Kramer & Sons, Cedar
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PRIVET

California Privet, any quantity, size, age.
Others say ours is the best grown. Write
for prices; also on shrubbery, ornamentals,
fruit trees, asparagus, etc. **Franklin Davis**
Nursery Co., Baltimore, Md.

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ROSES—Send for complete list. Ameri-
can Pillar, 3 year, \$35.00 per 100; Ameri-
can Pillar, 2 year, \$25.00 per 100; Dorothy
Perkins, \$12.00 per 100; Lady Gay, 4 to 5
ft., \$16.00 per 100. The Conard & Jones
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- Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.**

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VINCAS

- Strong Vinca variegata clumps, in 3 1/2 and 4 inch pots, for \$5.00 and \$6.00 per 100. Cash. Russell Bros., R. D. 1, Syracuse, N. Y.**

WIREWORK

- Reed & Keller, 122 W. 25th St., N. Y.**
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- Wirework. Write for our catalogue. Holton & Hunke, Co., Milwaukee, Wis.**
- William E. Hellscher's Wire Works, 38-40 Broadway, Detroit, Mich.**

WOOD PRESERVATIVE

- Conserve Wood Preservative doubles the life of all exposed lumber. Preserves benches, posts, sills or planking. Costs 1c a stick, and saves ten times its cost. Samuel Cabot, Inc., Mfg. Chemists, Boston, Mass.**

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XMAS PEPPERS

- Xmas Peppers, fine berried plants, 4 and 4 1/2 inches, \$8 to \$10 per 100. P. Riech Downers Grove, Ill.**

New Offers In This Issue.**FLORISTS' CATALOGUE FOR 1912.**

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Do You Know What You Want?

Look in the "Buyers' Directory" of this issue and you will probably find represented there somebody who can supply you. It's a good plan to look it over every week, for the weekly changes and additions are many.

See ?

In writing to Advertisers kindly mention Horticulture

Tobacco Paper

IS THE

**STRONGEST,
BEST PACKED,
EASIEST APPLIED.**

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

"NICO-FUME" LIQUID

OVER 40% NICOTINE

By far the
CHEAPEST.

JUST NOTE PRICE!

**Furnishes the
Most Nicotine for the Money**

... Manufactured by ...

THE KENTUCKY TOBACCO PRODUCT CO.,

Louisville, Ky.

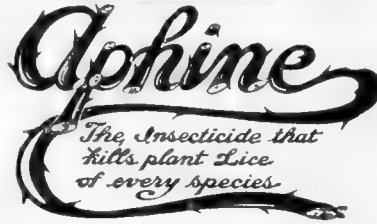
Pint.....	\$ 1.50
1/2 Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

Flower Market Reports.

(Continued from page 951)

year, and sold for rather less money—quality was excellent. The best quality Gardenias were on the scarce list with demand and price about the same as last year. There were a lot of poor ones that hung fire. Violets, both single and double, were in good demand, bringing slightly better than the usual prices. Lily of the valley and longiflorums were about normal. Mignonette was extra good—much better than last year and went briskly. Bouvardia was an important item and although not overly plentiful was of unexpectedly good quality and sold well. There was a good demand for such scarce items as Mrs. Aaron Ward and Mrs. Taft roses and many orders had to be turned down as the crop was off. Greens went about as usual. No special features worthy of mention. Holly wreaths were in brisk demand.

Not for forty years SYRACUSE has such a Christmas been known as the one just passed. No snow, or the merry jingle of the sleigh bells, but in their place the streets are dusty, the grass green and many dandelions picked. This weather has continued for nearly three weeks—and as a result many bulbs are pushing up through the ground. Holly was plentiful, the quality not up to grade as to berries. Christmas trees were of good quality and in quantity sufficient to supply the demand. Much damage has been done in some of the parks and private grounds by men and boys cutting the tops off some of the best fir trees and it is a matter of much regret that they were not caught and severely dealt with. Trade was very good in flowering plants, well up to the average. Some claim a large increase over previous years. Lorraine and Cincinnati begonias were everywhere, and over-stocked; people are getting shy of them and the florists must find something more lasting or fall back upon some of the old varieties. Poinsettias sold well and are quite popular, especially in pans with ferns or asparagus. Azaleas were not over plentiful or extra good as a rule. Bulb stuff moved off slowly and was cleaned out. Cyclamen were good sellers and neither to a limited extent. Primula obconica and chinensis sold fairly well. The public want bright-colored flowers at this time. Ardisias, peppers and cherries were good sellers and few are left over. There was no advance in the price of pot plants, a very noticeable falling off in the sale of palms, rubbers, araucarias and cacti was noticed. Medium priced



Destroys green, black, white fly, thrips, red spider, mealy bug, scale and all plant sucking insects. An excellent cleanser for decorative stock.

\$2.50 per gallon, \$1.00 per quart.
U. S. AND CANADA.

FUNGINE

Has no equal for destroying mildew, rust and other plant fungi.

Fungine will cure bench rot and is proving an excellent remedy for the protection of cuttings and young stock against the various blights.

\$2.00 per gallon, 75c. per quart.
U. S. AND CANADA.

For sale by seedsmen.

MANUFACTURED BY

**APHINE MANUFACTURING COMPANY
MADISON, N. J.**

88 lbs. \$1.00 100 lbs. \$ 8.00 1000 lbs. \$27.00
50 lbs. 1.75 500 lbs. 14.00 2000 lbs. 52.50

Stump & Walter Co.
50 Barclay St. New York. C



**The Best
Bug Killer and
Bloom Saver**

For PROOF
Write to

**P. R. Palethorpe Co.
OWENSBORO, KY**

To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free.)

Use any form you choose but buy it of

E. H. HUNT, 131 N. Wabash Avenue, Chicago

NIKOTEEN The most effective and economical material there is for spraying plants and blooms. **NIKOTEEN** skillfully extracted from leaf tobacco, and carefully refined, it is clean and easy to apply. **NIKOTEEN** Does the work when vaporized either in pans, or pipes, or over a flame.
Full Pint Bottles, \$1.50.

NIKOTEEN APHIS PUNK

Specially prepared for fumigating closed houses. It vaporizes the Nicotine evenly and without waste. Nothing keeps a house free from Aphis so cheaply.
Price \$6.50 per case of 12 paraphrased boxes. All Seedmen.

Imp Soap Spray

Effective one to thirty-two.

Single gallons, \$1.50

**Eastern Chemical Company
BOSTON**

baskets filled with flowering or foliage plants sold fairly well. Cut flowers were advanced owing to their being scarce. With the large majority of florists roses and carnations were off crop. The supply of red carnations and roses was far short of the demand.

Wilson Plant Oil & Fertilizer Company

ELIZABETH, N. J.

Horticultural Supplies

Write for our special Catalogue

Cocoanut Fibre Soil

Will give you perfection in bulbs and improve the colors of flowers. Will bring seeds up quickly and is the only cover that is right for mushrooms.

**20th CENTURY PLANT FOOD CO.,
27 & 29 Ocean St., Beverly Mass.**

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Flower Market Reports

Continued from page 952

There is hardly time to let the readers of ST. LOUIS HORTICULTURE

know what we did in St. Louis this busy Christmas week but from the reports up to noon Monday, Dec. 25th from all the leading florists about town it appears that they all were very busy—in fact, had all they could do to get out their many orders for delivery. The weather was fine and delivery was easy. Prices on cut flowers were high, both wholesale and retail, and the bulk of the trade was in plants, especially out in the West End where they are all sold out of plants. Poinsettias, cyclamen and azaleas sold better than any thing else in this line. We can safely say that Christmas this year was fully up to expectations. The wholesale markets had a great lot of stock of all kinds and it cleaned out well and early. A great cut of violets came in from the Kirkwood growers, with price less than at any Christmas before; not over \$10.00 per 1000 did Californias bring with none left over as usual when high prices prevailed. Carnations went as high as \$8 per 100 for fancy reds, very scarce. Roses went up to \$25 per 100 for fancy stock and none sold under \$6 for shorts. Beauties were scarce at \$1.00 each. In bulb stock the market was loaded down, and the demand was light. There is good promise for a big New Year's trade.

It seems to be the opinion of all that the holiday week

was the most successful ever experienced in this city. It seems that everything in the way of cut flowers and blooming plants was cleaned up with the possible exception of paper-white narcissus and a few poinsettias, the former a drug on the market, the latter very plentiful, and Easter lilies, which are somewhat out of place at this season of the year. The weather was quite warm during the entire week, which made it very advantageous for the grower to handle his plants and the retailer to deliver the goods. There was a very heavy supply of blooming azaleas and begonias and made-up pans of combinations of dracenas, heather, crotons, etc., all of which sold remarkably well. While it rained continuously for three or four days and all day long on Sunday, this condition proved to be a benefit rather than a detriment in that it gave

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ample time to make up the orders that were to go out on the 24th and 25th which, in some cases, would have been almost impossible, owing to the unprecedented heavy deliveries. Roses were in very fair demand and the prices quite good, the supply was equal to the demand in most cases, with the possible exception of reds which were quickly sold out. American Beauties, locally grown, sold especially well, there were more higher priced Beauties sold this year than ever before. Carnations, double violets, orchids and sweet peas sold well. Gardenias were plentiful and the supply just about equalled the demand. Quite a few yellow and white daisies were to be seen, and these found ready sale in making up the dainty baskets that were displayed in all of the local stores. Ratanas roses found a very

Continued Page 952

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Flower Market Reports

(Continued from page 953)

ready sale and here the supply could not keep up with the demand, especially those locally grown. One very exceptional feature of this Christmas was the large amount of flowers used for church decorations, the demand for cut flowers and plants being almost as heavy as at Easter time. One church, in particular, this year used over three hundred poinsettias, and with very good effect, banked as they were in the organ loft and suspended in baskets around the balconies. This, together with an elaborate supply of southern smilax, holly and laurel wreathing, made a very impressive scene which caused a great deal of favorable comment. On the day following Christmas it was almost impossible to find a piece of holly or mistletoe with which to fill orders for the festivities among the smart set which are taking place during the week. Business in the Centre Market during the holidays was exceptionally good and the Saturday night before Christmas found practically all the stands cleaned out.

**PHILADELPHIA
RETAIL CHRIST-
MAS MARKET**

By retail we include of course both plants and cut flowers. The general consensus of opinion (gathered from the leading retail men in personal interviews) seems to be that the year was not as good as last. People generally did not seem to have the money for ordinary luxuries after paying for their automobile hurrahs of the past few years. Those retailers who claimed an increase admitted that said increase was mostly in their charge sales. We found few, if any, who were willing to admit that their cash sales were larger. In plants there was quite a lot of good stock left over at the close of the market. In cut flowers, this was not so pronounced. What few left-overs appeared in the latter were of the punky kind, caused either by the weather or by the growers holding them back too long. One good feature this year was the ease of delivery caused both by the mild weather and the fact that it was Sunday the day before. The latter fact caused people to place their orders on Saturday, which gave one full day to catch up, and obviated much of the usual night-work. One retailer who has been thirty-five years at the same stand said it had been the easiest Christmas he had ever put in, although he imagined he had done about as much business as usual.

There were no striking novelties of any kind to be seen either in plants or cut flowers. In fact many of the odd and rare things of recent years that were hailed with hope and anticipation as having a future were

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conspicuous by their absence. The old standbys such as poinsettia, Lorraine, azalea, erica, croton, pandanus, dracena were all out in full force and holding their own—most of the stock seen in these lines being very well grown and well finished. There was some good holly around this year, but most of it was rather dry, crinkly, brown and lacking in substance, gloss and finish. Holly is about "the limit" when it is below the mark; no good unless it is good. "When it's good, it's very, very good; when it's bad, it's horrid!" Mistletoe was about normal. Plenty of laurel. Lycopodium was in better supply than last year on account of the mild season, even as far north as the deep woods in Wisconsin, but there was no over-supply. Around City Hall square, which is the hub of the Christmas tree trade, the supply seemed to be much smaller than last year. Most dealers had cut their orders in half and some had quit. Notwithstanding that condition, half the meagre stock was left unsold, showing that the Christmas tree custom is gradually on the wane in Philadelphia.

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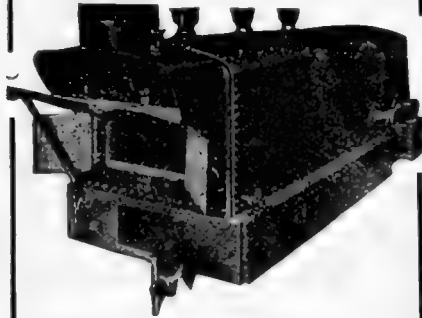
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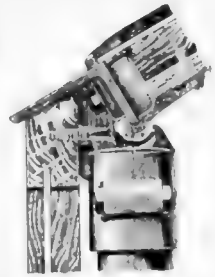
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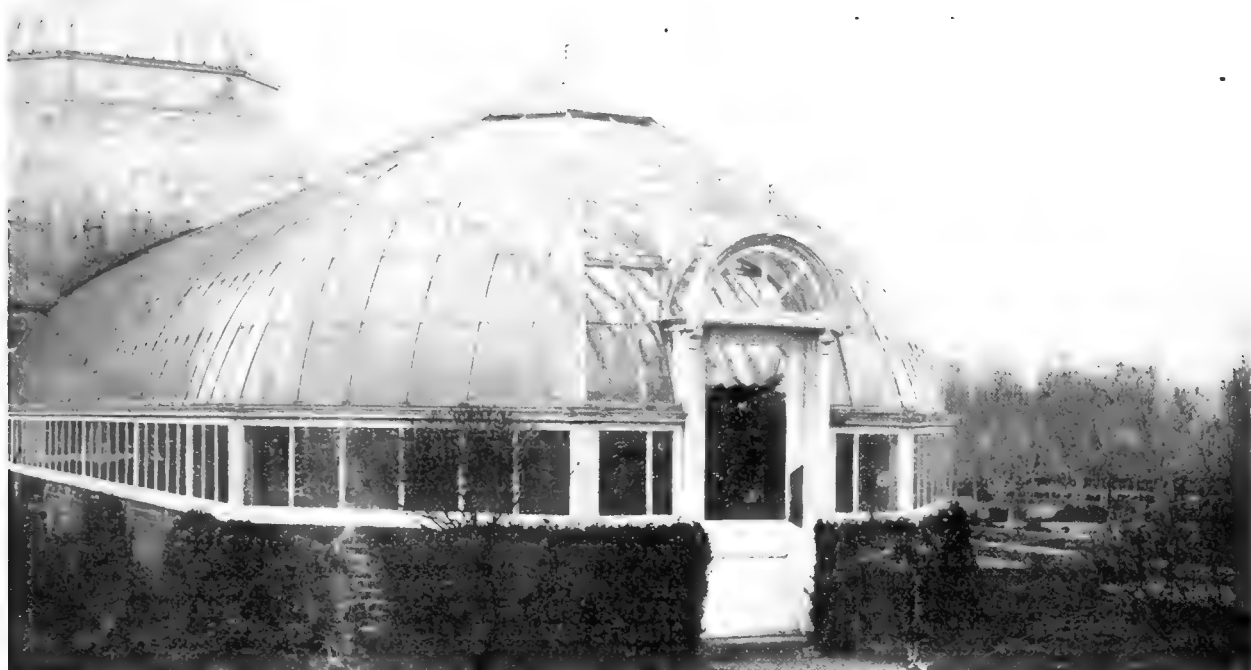
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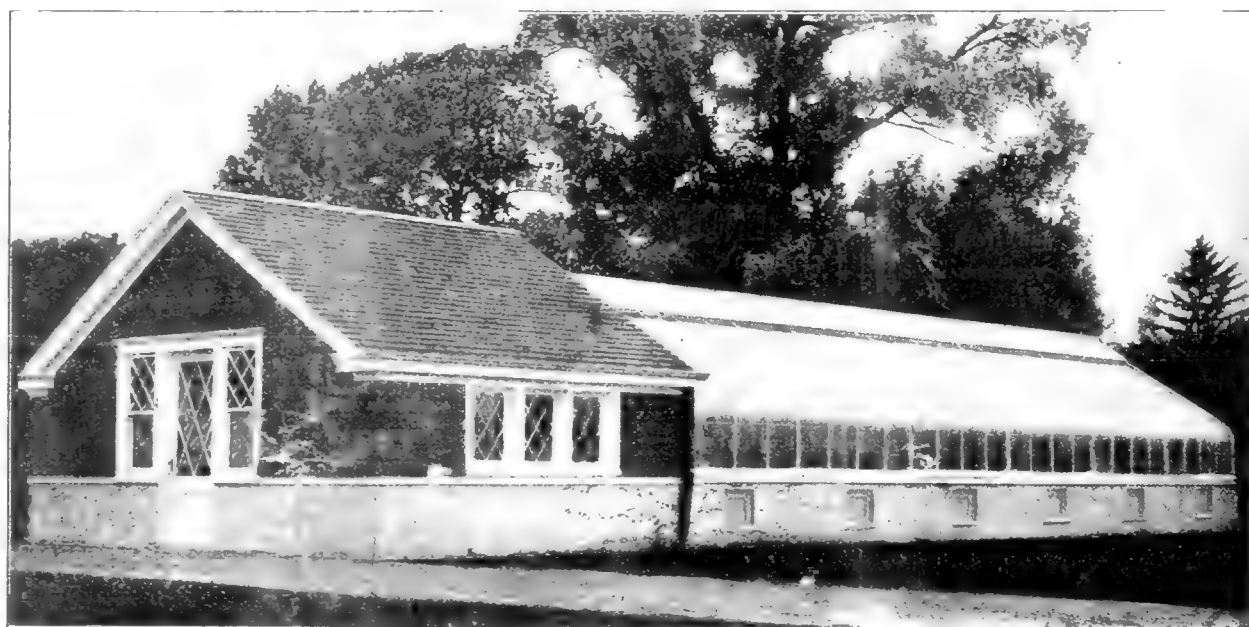
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